UNIVERSITY OF LONDON

# UNIVERSITY COLLEGE ANNUAL REPORT 1954-1955

UNIVERSITY COLLEGE
LONDON

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# OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RIGHT HON. LORD COHEN

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE AND TREASURER

SIR FREDERICK JAMES, O.B.E.

PROVOST

SIR IFOR EVANS, D.LIT.

SECRETARY

E. A. L. GUETERBOCK, M.A.

# REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

We have heard, occasionally, in the press that there has been a recession in the numbers of students attending universities in this country, and a decline in their quality. These changes do not conform with our experience at University College. There have been minor fluctuations from one session to another, but the general picture in the present quinquennium remains impressively constant. As far as the quality of students is concerned the College's record of wastage and failure would appear to compare favourably with that of other university institutions. At the same time the College is anxious to improve the position. Dr Nicolas Malleson, the Physician in Charge of the Student Health Service, assisted by Dr Irving Sarnoff of the University of Michigan, has begun an interesting piece of research into the reasons for academic failure, or inability to complete a course. The College has welcomed a grant for £1,300 from the Sir Halley Stewart Trust for the continuance of this research.

In the Faculty of Arts (which includes Architecture, Town Planning, the Slade School of Fine Art, Librarianship and Archives, and Political Economy) we had in 1954–55, 1,672 students; in the Faculty of Laws 371; in the Faculty of Science 899; in the Faculty of Engineering 272, and in the Faculty of Medical Sciences 234. This makes a grand total of 3,448. Of these 732, or, if we add the Honorary Research Assistants, 795, are doing postgraduate work. The number of postgraduate students is an impressive feature in these figures.

Our last report described how the College, during 1953–54, was able to maintain a balanced budget, and even close with a small surplus, despite increasing costs and the institution of a modest number of very necessary new posts. Though economy was rigorously exercised this position has not been maintained in 1954–55. Though income has increased, this has not kept pace with the rise in costs. The grant from the University Grants Committee and the Home Counties made through the Court of the University was raised from £817,000 in 1953–54 to £863,000 in 1954–55. In addition the College shared in the special grant placed at the disposal of the universities by the Chancellor of the Exchequer to augment academic salaries in

view of the rising cost of living. Yet consequential increases in academic and other salaries, and in wages, along with a rise in the costs of materials and services, more than overtook the increase in income and the year concluded with a deficit. There were further additional charges for the upkeep of new accommodation which came into use during the session. As a result, apart altogether from rising costs in materials and services, there were additional items amounting to over £10,000 from circumstances over which the College had no control.

This rise in inescapable costs has placed a burden on the College, which has inevitably had to search for economies resulting in the curtailment of essential academic development. This has occurred at a time when particularly the scientific and technological departments had been hopeful of an increase in their resources for apparatus and technicians. Fortunately many of the departments have been supported by grants from outside bodies, and some conception of the range of the advanced research work conducted in the College can be gained from the fact that in the period under review the grants received amounted in all to £80,031. This is an increase of £20,951 on the previous year.

The College celebrated during the session the conclusion of some stages in its reconstruction after war damage. The restoration of the original College buildings in the Main Quadrangle was celebrated on 30 November 1954. Professor A. E. Richardson, who had been responsible for the restoration of the buildings, delivered in the new Gustave Tuck Theatre the Rickman Godlee Lecture entitled 'Retrospect and Prospect'. The lecture was followed by a reception by the Provost of between three and four hundred guests, among whom were a number of headmasters and headmistresses of London schools. The restored buildings were open for inspection throughout the evening.

The opening of the new Physics wing marked the completion of the first stage in the provision of permanent facilities for the Physics Department after the destruction suffered during the war. The new wing was occupied before the end of the session 1953–54 but the formal opening did not take place until 4 May 1955. The ceremony was attended by about 450 visitors from industrial firms, scientific institutions, schools, and colleges. They were received by the Provost, and, after tea had been served in the Staff Common Rooms, Sir James Chadwick delivered an address in the North Cloisters. The visitors were conducted in parties round the new wing in the course of the afternoon and evening.

The construction of the first stage of the Biological Sciences Block on the Gower Street frontage, financed by a grant from the Court of the University, is proceeding under the direction of Professor Corfiato. Owing to site difficulties and the care which had to be taken during the underpinning of the adjoining Medical Sciences Building, the progress of the work has been slow. Plans have now been completed for the second stage of this project on which work should start shortly, and a grant of £250,000 has been promised by the Court of the University for this purpose.

A building in Flaxman Terrace has been purchased by a grant from the Court of the University, and when converted it will accommodate the Department of Town Planning, a bookstore, a bindery for the Library, and the Central Photographic Service. The Department of Town Planning will be able to occupy its accommodation early in the session 1955–56. The bookstore will give the Library its first opportunity since the war to make all its books available to readers, and the Library bindery will come into operation before Easter 1956.

A further Library development has been that in February 1955 the final arrangements were made to ensure that the remainder of the library of Herra Snaebjörn Jónsson of Reykjavik should ultimately join the books which were bought from him in 1952–53.

Vacant possession has been obtained of the Seamen's Hospital on the corner of Gower Place and Gordon Street. This large building is almost ideally placed in relation to the College rectangle, the whole north-east corner of which it occupies. The College was indeed fortunate to procure such a large building in this part of London. It is all the more regrettable that the £100,000 necessary for its conversion to academic purposes was not available. When conversion takes place, the building will house the Department of Mathematics, a Physics lecture theatre and laboratories, and one floor will be available for the Department of Chemical Engineering and three floors for the Students' Union. The war-damaged squash courts in the South Quadrangle have now been restored and brought into use. Three houses in Gordon Square, Nos. 19, 20 and 23 have fallen vacant and tenders for their conversion obtained. Work has already started on No. 19 and the conversion of the others will begin when grants can be obtained from the University Grants Committee. These houses will provide accommodation for departments in the Faculty of Arts which have had to move, as well as some additional accommodation.

While these developments are encouraging much remains to be

done, and the shortness of funds available for capital projects is the most serious problem that faces the College. Particularly is the College anxious to make an enlarged contribution to technological studies by increasing the number of engineers trained in its departments. For this purpose it formed a committee, under the Chairmanship of Lord Strang, with Lord Cohen, Sir Frederick James, the Provost, Professor M. B. Donald, Mr T. A. L. Paton, Mr F. J. Stephens, and Mr Alderman and Sheriff B. N. Waley-Cohen as members, to appeal to industry for a sum of at least £300,000 for the first part of the new Engineering laboratories. The College has available a vacant site on the College rectangle for this building, the construction of which would permit an increase of fifty per cent in the output of engineering students. By the end of the session, £175,000 had been obtained by direct approach to firms and other industrial undertakings without any public appeal. Since the beginning of the session 1955–56 a further £78,000 has been received, making a total of £253,000.

Appropriately enough the College was able to recall one distinguished episode in the history of its Engineering Faculty when it celebrated on 16 November 1954, the Jubilee of the Invention of the Thermionic Valve by Sir Ambrose Fleming during his tenure of the Professorship of Electrical Engineering. A plaque commemorating the invention was unveiled in the Electrical Engineering Department by the Lord President of the Council, the Marquess of Salisbury, who was entertained by the Provost at a luncheon party attended by prominent members of industrial organisations and others. On the two days of the Commemoration well over six hundred visitors from Government Offices, engineering firms, and educational institutions were conducted in parties round an exhibition arranged in the Electrical Engineering Laboratories. A number of instruments used by Fleming in his early experiments were assembled, serving to emphasise the limitations under which his investigations had to be carried out. Side by side with these historical exhibits were shown examples of recent researches pursued in the department, much of this work having grown out of the important contributions to high frequency techniques for which Fleming was responsible.

While no attempt has been made to deal with the work of the Faculties and departments individually, the discovery made at Sakkara by the Head of the Department of Egyptology is of such general interest that it may be noted here. He found another large tomb of major archaeological importance. Although the burial cannot as yet be identified, the architectural evidence obtained from

this monument goes a long way towards solving the problem of the relationship between the tombs of the First Dynasty Kings at Abydos and their counterparts at Sakkara.

The College is conscious of a marked recovery during the session from the difficulties which war damage imposed upon it. Since the war the College has spent on the restoration of buildings destroyed or severely damaged by enemy action some £820,000. Further we have had to spend nearly £120,000 on temporary huts and other expedients to replace lost accommodation, so that, in one way or another in making good what was lost, the cost to date has been nearly £940,000. A most conservative estimate suggests that a sum of over £300,000 would still be necessary to complete the restoration of war damage.

We are deeply grateful for all that the University Grants Committee and the Treasury have been able to do. We are further grateful to the Court of the University which has, from such resources as have been placed at its disposal, as always, been conscious of the special problems in which we are involved, and considerate in its approach. The feeling, though, here at the College has been consistently that there was a case for considering University College as a special problem, in view of the amount of war damage which we had to face. How much can be achieved by a modest capital expenditure can be seen from the benefits which the Chemistry Department is now receiving from the results of the Ramsay Appeal. From a total of £96,200 raised from industry, £64,000 was spent on an extra storey to this department and as a consequence the number of Special Honours students has been increased from 100 to 140. There will also be, ultimately, an increase of twenty-five in postgraduate workers. There are still eleven applicants for every one accepted to a place in this department.

The Association of Friends of University College, under the Chairmanship of Lord Strang, has continued its valuable work of providing amenities for the College from funds provided by old students and others interested in the College. The Friends during the session have been able to expand their programme by undertaking the following projects: (1) Silver-plated cutlery for College functions; (2) Small silver mace and two despatch boxes for the College Debating Society; (3) Minton tea service, for 500 people, for use by staff and students at receptions; (4) Cataloguing of the College's fine collection of prints and pictures to enable them to be hung in College; (5) Musical instruments for the College orchestra and for the Chamber Music Club; (6) Students' Athletic Gound at Shenley: the first of four small permanent shelters to serve the sports ground

of 100 acres; flower bulbs along the drive, and seedling trees to act as a windbreak round the tennis courts; (7) Amplifier apparatus for transmitting lectures to overflow audiences and for use at student functions; (8) College Film Society: short documentary films of well-known members of the academic staff at work at College, and films of College ceremonial occasions; (9) History of University College during the last war: the promotion of a preliminary investigation; (10) Ultra-violet ray lamp for the Student Health Centre; (11) Nucleus of exhibition stands to enable students' work and other small collections of pictures on loan to be exhibited at College; (12) Lamps designed by Professor A. E. Richardson, P.R.A., for the College entrance on Gower Street; (13) Pictures by Slade School students: inauguration of a fund to enable pictures to be bought for the College from students attending the Slade School. Furthermore, a member of the Association of Friends has presented a silver salver to the Friends who have placed this generous gift at the disposal of the College.

There have been a number of changes in the College Committee. On 1 November 1954 Sir Wallace Akers died; his interest in the College, and particularly in its scientific departments, had antedated his nomination to the College Committee in 1952. With the resignation of Mr A. B. Ashby the College Committee lost a member who had given continuous and valued service for a quarter of a century, and particularly in the war years when the Committee was faced with so many difficult decisions. The resignation of Mr Ashby, a Past Master of the Drapers' Company, severs, to our great regret, the last link with a Company that gave generous support at crucial periods in the College's development. The College Committee also lost by resignation the services of Mr A. S. Holness who, since 1946, had made invaluable contributions not only to the main Committee but to the Finance Committee and the Investments Committee.

The College Committee has welcomed four new members. Mrs Hazel Rose has been nominated by the London County Council as one of its new members. In Lord Strang the College was able to enlist the services of one of its most distinguished graduates. With Mr Alderman and Sheriff B. N. Waley-Cohen it had the pleasure of seeing Sir Robert Waley Cohen's great contribution to the College's development continued by his son. With Mr G. E. Walker, the Secretary of Associated Electrical Industries, a new and valuable link was made with Industry.

Three senior members of the College retired. Professor Bellot was first appointed to the College in 1921 and he was here until 1927.

He returned to the College in 1930 as the Commonwealth Fund Professor of American History and has held this Chair until the session under review. He was Vice-Chancellor of the University of London from 1951 to 1953. He has played a remarkable part in the development of the University in the post-war period, especially in relation to those Overseas Colleges, which by an imaginative scheme stand in special relation to the University of London. Among his many services to the College may be recalled his preparation of the Centenary History. Professor Dingle was appointed to the Chair of the History and Philosophy of Science in October 1946. He developed a department which has no parallel elsewhere in this country, and one whose importance is widely recognised. Dr Brady first came to the College in 1919 and was appointed Reader in Organic Chemistry in August 1923. He has a long record of memorable service to the College and to the University.

We are fortunate in being able to welcome Professor Nyholm who was with us on the staff of the Department of Chemistry from 1947 to 1952. He now returns from the University of Sydney to one of our Chairs of Chemistry.

COHEN, *Chairman*

IFOR EVANS, *Provost*

## SUPPLEMENT

### OBITUARY

We record with deep regret the death of the following Fellows of the College: Professor G. V. Anrep, Sir Shanti Swarupta Bhatnagar, Dr George Hall, Air Chief Marshal Sir Roderick Hill, Robert L. Horton, Miss Marie A. Lewenz, Miss Agnes S. Paul, Professor R. H. A. Plimmer, and Professor A. R. Richardson.

Former members of the staff who died in the course of the year were: Dr A. M. Bassani, member of staff in the Department of Italian from 1925 to 1953; Professor H. F. Jolowicz, member of staff in the Department of Laws from 1924 to 1949, Professor of Roman Law from 1931 to 1949, sometime Dean of the Faculty of Laws of the University of London and of University College; Professor Emeritus J. H. Morgan, member of staff in the Department of Laws from 1907 to 1941, Professor of Constitutional Law from 1915 to 1941; A. J. Stratton, member of staff in the Bartlett School of Architecture from 1913 to 1930, Tutor to Architecture Students from 1920 to 1930.

The College Committee at their meeting on 3 May 1955, recorded

their sorrow at the death of E. L. Tanner, whose services to the College for the eighteen years from 1929 to 1947, first as Accountant and later as Secretary, had been immensely valuable, particularly during the difficult period of the 1939–45 war. His appointment as acting-Provost after the death of Sir Allen Mawer illustrates something of the respect and affection which he inspired.

During the session the College lost two senior members of the academic staff who were still holding appointments. Professor Henry Terrey died on 24 December 1954. He entered the College as a student in 1910, was appointed to the staff of the Chemistry Department in 1914 and to a Chair of Chemistry in 1952. He gave a lifetime of service to the College and made an outstanding contribution to the work of the Students' Union by holding office for many years as a Senior Treasurer of the Union, and as Staff President of the Central Athletics Board. Dr J. C. Flugel, who died on 6 August 1955, was first appointed to the staff of the Psychology Department in 1909, became Assistant Professor in 1929, and since 1944 has continued to serve the department as a Special Lecturer.

### HONOURS AND APPOINTMENTS

In the 1955 New Year Honours, Knighthoods were conferred on Professor J. E. Neale, and Arthur Colegate who was at one time a student in the Faculty of Engineering; and a C.B. on S. W. C. Phillips,President of the Union Society in 1931–32 and now a member of the College Committee. Dr B. Ifor Evans was created a Knight Bachelor in the Queen's Birthday Honours in 1955; earlier in the year the title of Officier de la Légion d'Honneur was conferred on him by the President of the French Republic.

Notable government appointments during the year were that of Harold Beeley, at one time an Assistant Lecturer in the History Department, as British Ambassador at Jedda; of John Walker, former student in the Faculty of Arts, as British Ambassador in Caracas, and of R. G. Turnbull, former student in the Faculty of Science, as Chief Secretary of Kenya.

It is possible to mention only a few of the many honours and appointments obtained by past and present members of the College. Professor A. E. Richardson was elected President of the Royal Academy, William Dring a Royal Academician, and A. Gwynne Jones an A.R.A., Professor D. W. Brogan and Dr H. H. Scullard were elected Ordinary Fellows of the British Academy, and Sir Harold Himsworth and Professor G. P. Wells Fellows of the Royal Society. Professor E. S. Pearson became President of the Royal Statistical

Society and was awarded the Gold Medal of the Society. Dr Walter Adams was appointed Principal of the new University College of Rhodesia and Nyasaland. Professor P. B. Medawar has been appointed a member of the University Grants Committee. Professor Sir William Holford, at the request of the Minister of Housing and Local Government, has been appointed to prepare a scheme for the environs of St Paul's Cathedral in the City of London. Professor A. H. Smith was elected a Corresponding Fellow of the Mediaeval Academy of America, and a member of the Royal Gustav Adolf Academy of Sweden. Professor R. Weiss was elected a Corresponding Fellow of the Accademia Petrarca di Lettere Arti e Scienze of Arezzo, Professor A. V. Hill a Foreign Member of the Brazilian Academy of Sciences, and Professor W. H. Pearsall an Honorary Member of the Indian Botanical Society. Dr W. R. Mead was made a Knight First Class of the Order of the Lion of Finland, and Dr H. E. Lewis was awarded the Polar Medal for his services as Physiologist to the British North Greenland Expedition.

Honorary degrees were conferred on the following: Professor C. K. Ingold, D.Sc. of the University of Montpellier and also of the University of Southampton; Professor H. S. W. Massey, D.Sc. of Queen's University, Belfast; Emeritus Professor A. E. Richardson, Litt.D. of the University of Dublin; Professor James Sutherland, LL.D. of the University of Aberdeen; Lord Strang, LL.D. of the University of London.

The following past and present members of the College have been appointed to university chairs and professorial posts: Professor C. R. Cheney to the Chair of Mediaeval History in the University of Cambridge; Dr A. L. Cullen to the Chair of Electrical Engineering at Sheffield University; Dr H. J. Eysenck to the Chair of Psychology at the Institute of Psychiatry in the University of London; G. R. Hargreaves as Nuffield Professor of Psychiatry in the University of Leeds; Dr G. J. Kane to the Chair of English Language and Literature at Royal Holloway College in the University of London; G. Q. Lay to the newly established Chair of Architecture in the University of the Orange Free State; Dr N. H. MacKenzie to the Chair of English in the University College of Rhodesia and Nyasaland; Dr Duncan MacMillan to the Chair of Modern Language and Romance Linguistics in the University of Edinburgh; Dr G. G. Meyerhof as Professor of Civil Engineering at Nova Scotia Technical College, Halifax, Canada; Dr A. V. Rao to the Chair of English at Lucknow University; R. W. Revans to the newly created Chair of Industrial Administration in the University of Manchester; Dr W.

Schwarz to the Chair of Mediaeval German in the University of Amsterdam; and Dr T. J. B. Spencer to the Chair of English at Queen's University, Belfast.

Within the College, Dr R. Powell was appointed to the Chair of Roman Law, and the following titles were conferred: Professor of Zoology on Dr G. P. Wells, Reader in Electrical Engineering on Dr A. L. Cullen, and Reader in Physiology on Dr M. Grace Eggleton.

New Faculty appointments were as follows: Professor T. B. L. Webster as Dean of the Faculty of Arts, Professor E. S. Pearson as Dean of the Faculty of Science, Professor G. L. Williams as Dean of of the Faculty of Laws, and Dr O. C. J. Lippold as Sub-Dean and Tutor in the Faculty of Medical Sciences.

At the end of the session the title of Professor Emeritus was conferred on Professor H. Hale Bellot and Professor H. Dingle.

## OLD STUDENTS' ASSOCIATION

At the Annual General Meeting of the Association on 28 October 1954, Dr H. K. Cameron was re-elected President for the session 1954–55, and Dr F. C. Harris announced his resignation from the office of Honorary Secretary which he had held since 1934.

The programme of social activities included a visit in December to Sir John Soane's Museum, and in June to the Gardens of the Royal Horticultural Society at Wisley, under the guidance of John Summerson and H. J. Evans respectively. The speakers after the informal dinners in College were Dr H. E. Lewis, on the British North Greenland Expedition, and Professor Walter Emery, on the recent excavations at Sakkara. In addition Dr D. B. Fry with his opera group gave a concert version of *Cosi fan Tutti.* There were also two innovations, both strikingly successful. In May, 149 members and friends attended a dinner at the Tate Gallery with Professor Coldstream as the guest speaker, and in June the Association gave a dinner to a number of present students who had played a particularly active part in the life of the College. There are indications of a closer collaboration between the Old Students' Association and the Union which will, it is hoped, be of great profit to both parties.

The members of 'Plebs', a Rugby Football Club consisting of ex-students, together with a few present students of the College, have formed a section of the Association and may in future be known as the O.S.A. Rugby Football Club.

Members have again this year been sent a news bulletin containing items of Old Students' Association and College news.

# REPORT OF THE PRESIDENT OF THE STUDENTS' UNION

It is with pleasure that I can report that definite plans have now been drawn up for the alterations to the Union accommodation in the Seamen's Hospital. While it will be some considerable time before the Union can move house we have at least some token round which to weave our daydreams. The new accommodation will not meet all requirements and it would seem that the ping pong pundits and their snooker-playing confrères will have to foregather in some place other than the Seamen's Hospital.

Shenley continues to devour the lion's share of the Union income and the estimates for the coming season allow no margin for depreciation. Expenditure on coaching and tours has been seriously reduced and wages and salaries will have to be increased during the coming weeks. No progress has been made towards erecting a new pavilion. The ground continues to be kept in excellent condition thanks largely to the care of Mr Mott.

The Men's Union Society and the Women's Union Society have formally federated during the past session and it now remains to draw up rules for each section.

During the session the Union has taken no part in the deliberations of the University Union President's Council. This is a protest against the voting procedure of that body but in no way affects the rights of students to make full use of the University Union facilities.

In July the Union acted as host to the Supervision Committee of the Fifth International Student Congress which was held in Birmingham. We should like to thank the College authorities for their ready co-operation on this occasion.

Mr Russell Butler carried out his presidential duties whilst studying for his final degree examination in Economics. Though he combined the two tasks with charm and efficiency it was a strain both for the President and the Union and it is the opinion of the Executive that, when possible, the President should have an extra year.

This has been a busy and successful year. In the athletic fields the Cross Country and Athletics teams were again outstanding, the Association Football team won the University Final, and the Rugby and Hockey teams reached the final stages of their respective cups. In spite of these triumphs both the Commemoration and Foundation games were lost to King's.

Foundation Week was outstanding this year. The Foundation Orator was Mrs Vijaya Lakshmi Pandit; the guests at the Debate were Mr Harold Wilson and Mr Julian Amery, a well matched pair who opened a first class debate on the traditional motion; the College Choir and Orchestra delighted us with their renderings of Haydn's Mass in D Minor and Beethoven's Sixth Symphony; the Dramatic Society presented Jonson's *Volpone* and the week came to its climax with the Ball at the Festival Hall.

Earlier in the term the Choir and Orchestra combined to present Bizet's *Don Procopio*—the first production in England played to full houses each night. This bright little opera was preceded by *Bastien and Bastienne* and the event did not pass unnoticed in the national press.

The individual societies have been active during the year. Dramatic Society has worked well; Film Society continues to record events in its admirable newsreels; Debating Society, meeting in the North Cloisters, has offered interesting subjects for debate and interesting people to debate them. The affiliated societies are flourishing.

A Nine Lesson Carol Service was held before Christmas at which lessons were read by representatives of staff, students and the College administration. A service was also held in Foundation Week.

*Pi* records our doings in a bright, attractive manner. *New Phineas* provides an outlet for poet, critic, painter, short story writer—and the President. The most recent edition sold out within three weeks.

I should like to thank the Provost for his interest and advice during the past months and the Secretary for his co-operation at so many points. The College Office and the Establishment Officer's Department have once again been friendly and helpful and have always been willing to meet the Union half-way. Miss Richards continues to be quite invaluable, providing the necessary continuity in the Union and acting as a mine of information and friend of all as the occasion demands. Dr Rigby, Professor FitzGerald, and Mr Miskin continue to serve the Union loyally. Finally we must record with sorrow the passing of Professor Terrey, for so many years a friend of the Union. It is intended to erect a plaque in his memory very shortly.

P. J. Pryor
*President*, 1955–56

## REPORT ON THE BARTLETT SCHOOL OF ARCHITECTURE

Drawings representative of the work of the School have been on exhibition in various countries of the Commonwealth, and, following a special invitation, in the United States of America; the originality and high standard of the exhibits have been highly praised. In a competition on a common subject between French and British students, first and third prizes were awarded to students of the School, and two of its students were commended. The French Government has awarded a scholarship to A. J. Mole which will enable him to spend a year in Paris to study at the Ecole Nationale et Supérieure des Beaux Arts.

Following A. M. Foyle's visit to Africa, a systematic survey of architecture in the tropics both in British and French Africa is being prepared.

The London County Council has presented to the School a specimen of brickwork dating from the reign of Henry VIII, and this has been placed in the vestibule of the School at a cost of some £600 which has been defrayed by the London County Council.

In the Division of Decoration a heightened standard of work was noted by the examiners and the work of two students was specially commended. Students from various parts of the world attend the course and it is a matter of satisfaction to record that one of the students commended was from Turkey. The Director of the Division, H. Warren Wilson, has designed and executed stained glass windows for churches at Richmond, Surrey, Hamble, Hampshire, and the Great Hall of the Royal College of Surgeons, London, and has designed carved wooden portrait panels and a clock for the London School of Economics.

## REPORT ON THE SLADE SCHOOL OF FINE ART

There were 184 full-time and twenty-five part-time students attending the School during the session. Of the full-time students144 were following the course leading to the University of London Diploma in Fine Art, thirteen were post-Diploma students, and the rest were following a course in the School for one year only. British

Council scholars came from Greece, Chile, Egypt, and Spain, while there was one Fulbright Scholar as well as five other students from the United States of America. Overseas students also came from Australia, New Zealand, Canada, South Africa, Pakistan, the Sudan, East Africa, Egypt, Eire, Greece, Cyprus, Portugal, Hong Kong, Spain, and Holland. At the annual entrance examination held in January, 254 candidates competed for places in October 1955. Sixty-eight candidates were accepted.

During the session the following artists taught periodically in the School: Edward Ardizzone, Rodney Burn, Patrick Heron, L. S. Lowry, Henry Moore, Victor Pasmore, and Keith Vaughan.

Professor Wittkower gave a course of lectures on seventeenth-century Italian painting and conducted a seminar in conjunction with this course. In the spring term Clutton Brock gave lectures on Corot, Courbet, and Manet, and Georges Duthuit on Matisse. A lecture entitled 'Criticism, Tradition, and Creation' was given by Stephen Spender. In the summer term Andrew Forge gave two lectures on Pisarro, and R. A. Davey three lectures on Degas. David Sylvester gave lectures on Matisse and Giacometti, and Professor Pevsner on Van Gogh. A course of five lectures on Picasso was given by Professor Blunt. Lectures for Stage Design students were given by Peter Banks, Nevill Coghill, John Cranko, Isobel Lambert and James Laver. Students attending the Stage Design course who worked for the London Theatre during the session were N. Georgiadis, who carried out settings and costumes for the Sadlers Wells productions of *Danses Concertantes* and *The House of Birds*, and H. Wich, who designed settings and costumes for the ballet *Persephone* at the same Theatre.

Four high value postage stamps completing the issue for the new reign have been designed by Lynton Lamb.

The Abbey Major Scholarship for 1955 to the British School at Rome was awarded to David Wild, and Abbey Minor Scholarships to K. S. Micklewright and M. Murphy. The Postgraduate Studentship in Fine Art was awarded to M. H. Kellaway. Through the generosity of the Executors of the late John Stanbury a Scholarship of the value of £40 a year was founded to promote the study of Stage Design. An open Scholarship of the value of about £400, to be awarded annually, was founded by C. W. Boise to enable a young painter or sculptor of promise to study and travel abroad. The Scholarship is administered by University College and awarded by the College Committee on the recommendation of a standing committee under the Chairmanship of the Slade Professor.

# PUBLICATIONS OF MEMBERS OF ACADEMIC DEPARTMENTS

## *FACULTY OF ARTS*

### ANTHROPOLOGY

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APPENDIX I

# COLLEGE COMMITTEE

| | *Attendances** |
|---|---|
| *Chairman:* The Right Hon. Lord Cohen‡ | 6–8 |
| *Vice-Chairman and Treasurer:* Sir Frederick James, O.B.E. | 5–8 |
| Sir Wallace Akers, C.B.E., D.SC., F.R.I.C., F.R.S.A., F.C.S.‖ | 0–0 |
| Arthur Brian Ashby, M.A. | 1–8 |
| Professor F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E.¶ | 3–4 |
| Mrs Irene Chaplin, B.A., J.P. | 4–8 |
| The Right Hon. The Earl of Cromer | 2–8 |
| Professor H. Davenport, M.A., SC.D., F.R.S.§ | 4–4 |
| Miss Florence N. David, D.SC. | 8–8 |
| Professor M. B. Donald, M.SC., F.R.I.C., M.I.CHEM.E., A.R.C.S.§ | 4–4 |
| P. Dunsheath, C.B.E., M.A., D.SC., D.ENG., M.I.E.E. | 3–8 |
| Sir Ifor Evans, D.LIT., *Provost*† | 8–8 |
| Professor R. C. FitzGerald, LL.B., F.R.S.A. | 7–8 |
| David Heron, M.A., D.SC.† | 7–8 |
| Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡ | 7–8 |
| A. S. Holness, F.I.A.§ | 0–4 |
| Professor R. A. Humphreys, O.B.E., M.A., PH.D. | 8–8 |
| L. Hilary Macklin, O.B.E., M.A. | 6–8 |
| E. K. Martin, M.B., M.S., F.R.C.S.† | 7–8 |
| T. A. L. Paton, B.SC., M.I.C.E., M.AM.SOC.C.E.† | 2–8 |
| Professor E. S. Pearson, C.B.E., M.A., D.SC.†¶ | 2–4 |
| S. W. C. Phillips, C.B., B.A. | 7–8 |
| Mrs Hazel Rose, LL.B.¶ | 2–4 |
| F. J. Stephens, B.A. | 5–8 |
| The Right Hon. Lord Strang, G.C.B., G.C.M.G., M.B.E., B.A., LL.D.†¶ | 4–4 |
| Alderman B. N. Waley-Cohen, M.A.¶ | 3–4 |
| G. E. Walker, O.B.E., B.A.¶ | 0–0 |
| Miss Phyllis Woodham-Smith, M.A. | 4–8 |
| R. McKinnon Wood, O.B.E., M.A.§ | 0–4 |
| Professor J. Z. Young, M.A., F.R.S. | 3–8 |

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1954 to 30 September 1955. ‡ Hon. Fellow of the College. † Fellow of the College. ‖ Died 1 November 1954. § Membership terminated before 30 September 1955. ¶ Appointed after 1 October 1954.

APPENDIX II

# PROFESSORIAL BOARD

*Chairman:* Sir Ifor Evans, D.LIT., Provost†

C. W. Allen, D.SC., Perren Professor of Astronomy

G. C. Allen, M.COM., PH.D., Professor of Political Economy

A. J. Ayer, M.A., F.B.A., Grote Professor of Philosophy of Mind and Logic

Ernest Baldwin, PH.D., Professor of Biochemistry

H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., Pender Professor of Electrical Engineering†

H. Hale Bellot, M.A., Commonwealth Fund Professor of American History†

O. L. Brady, D.SC., D.I.C., F.R.I.C., Reader in Organic Chemistry

F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E., Professor of Electrical Engineering

G. L. Brown, C.B.E., M.SC., M.B., CH.B., F.R.S., Jodrell Professor of Physiology

A. B. C. Cobban, M.A., PH.D., Professor of French History

W. M. Coldstream, C.B.E., Slade Professor of Fine Art†

H. J. Collins, M.C., M.SC., M.I.C.E., M.I.MECH.E., P.P.I.STRUCT.E., A.M.AM.SOC.C.E., Chadwick Professor of Civil Engineering

H. O. Corfiato, S.A.D.G., F.S.A., F.R.I.B.A., HON.F.I.B.D., Professor of Architecture

H. C. Darby, O.B.E., M.A., PH.D., Professor of Geography

H. Davenport, M.A., SC.D., F.R.S., Astor Professor of Mathematics

Florence N. David, D.SC., Reader in Statistics

W. R. Dean, M.A., Goldsmid Professor of Mathematics

H. Dingle, D.SC., D.I.C., A.R.C.S., Professor of History & Philosophy of Science

M. B. Donald, M.SC., F.R.I.C., M.I.CHEM.E., A.R.C.S., Ramsay Memorial Professor of Chemical Engineering

W. B. Emery, M.B.E., M.A., F.S.A., Edwards Professor of Egyptology

R. C. FitzGerald, LL.B., F.R.S.A., Professor of English Law

Daryll Forde, PH.D., Professor of Anthropology†

L. W. Forster, M.A., DR.PHIL., Professor of German

D. B. Fry, PH.D., Reader in Experimental Phonetics

A. H. Gerrard, Professor of Sculpture

J. A. B. Gray, M.A., M.B., B.CHIR., Reader in Physiology

J. B. S. Haldane, M.A., D.SC., D.DE L'UNIV., F.R.S., Weldon Professor of Biometry

Sir William Holford, M.A., F.R.I.B.A., M.T.P.I., F.I.L.A., Professor of Town Planning

S. E. Hollingworth, M.A., D.SC., Yates-Goldsmid Professor of Geology

E. D. Hughes, D.SC., PH.D., F.R.I.C., F.R.S., Professor of Chemistry†

R. A. Humphreys, O.B.E., M.A., PH.D., Professor of Latin American History

C. K. Ingold, D.SC., F.R.S., Professor of Chemistry

Raymond Irwin, M.A., F.L.A., Director of the School of Librarianship & Archives

B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics

† Fellow of the College.

G. W. Keeton, M.A., LL.D., Professor of English Law

L. Margaret Kerly, M.A., PH.D., Reader in Biochemistry

B. J. Lloyd-Evans, M.SC.(ENG.), PH.D., M.I.MECH.E., Kennedy Professor of Mechanical Engineering

Kathleen Lonsdale, D.SC., F.R.S., Professor of Chemistry†

A. Maccoll, M.SC., PH.D., Reader in Chemistry

R. D. McLellan, PH.D., Senior Tutor and Senior Lecturer in Greek & Latin

H. S. W. Massey, M.SC., PH.D., F.R.S., Quain Professor of Physics

P. B. Medawar, M.A., D.SC., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

A. D. Momigliano, M.A., D.LITT., F.B.A., Professor of Ancient History

Sir John E. Neale, M.A., D.LITT., F.B.A., Astor Professor of English History†

R. S. Nyholm, D.SC., F.R.I.C., Professor of Chemistry

W. H. Pearsall, D.SC., F.R.S., Quain Professor of Botany

E. S. Pearson, C.B.E., M.A., D.SC., Professor of Statistics†

L. S. Penrose, M.A., M.D., M.R.C.S., L.R.C.P., F.R.S., Galton Professor of Eugenics

G. J. Renier, PH.D., PHIL.LIT.CAND., Professor of Dutch History and Institutions†

Constance M. Rigby, M.A., PH.D., Lecturer in Mathematics

C. M. Robertson, M.A., Yates Professor of Classical Art and Archaeology

R. W. Russell, M.A., PH.D., Professor of Psychology

J. W. Scott, B.A., A.L.A., Librarian

O. Skutch, DR.PHIL., Professor of Latin

A. H. Smith, O.B.E., R.N.O., PH.D., D.LIT., Quain Professor of English Language and Literature

T. J. B. Spencer, PH.D., Lecturer in English

S. Stein, PH.D., Goldsmid Senior Lecturer in Hebrew

James R. Sutherland, M.A., B.LITT., LL.D., F.B.A., Lord Northcliffe Professor of Modern English Literature

E. H. Thompson, O.B.E., B.A., F.R.I.C.S., Professor of Surveying and Photogrammetry

E. G. Turner, M.A., Professor of Papyrology

T. B. L. Webster, M.A., F.S.A., HON.R.A., Professor of Greek

R. Weiss, B.A., Professor of Italian

G. P. Wells, M.A., SC.D., F.R.S., Professor of Zoology

G. L. Williams, M.A., LL.D., Quain Professor of Jurisprudence

F. R. Winton, M.A., M.D., D.SC., Professor of Pharmacology

R. Wittkower, PH.D., Durning-Lawrence Professor of the History of Art

B. Woledge, M.A., D.DE L'UNIV., Fielden Professor of French Language and Literature

J. Z. Young, M.A., F.R.S., Professor of Anatomy

† Fellow of the College.

## APPENDIX III

# HONORARY FELLOWS AND FELLOWS

The following elections were made in 1955:

HONORARY FELLOWS

The Right Honourable Lord Cohen
Emeritus Professor Albert Edward Richardson, P.R.A.

FELLOWS

Mr William Sydney Albert Atkins, the senior partner and founder, W. S. Atkins & Partners, Consulting Engineers; Consulting Engineer to many companies

Professor Austin Bradford Hill, C.B.E., F.R.S., Professor of Medical Statistics, London School of Hygiene and Tropical Medicine, and Honorary Director, Statistical Research Unit, Medical Research Council

Mr Oliver Hilary Sambourne Messel, artist, designer for theatres, opera, ballet, and films

Mr Andrew John Morland, physician, University College Hospital and French Hospital, London

Sir Charles Roy Price, K.C.M.G., High Commissioner for the United Kingdom in New Zealand (retired 1953)

Professor Solly Zuckerman, C.B., F.R.S., Sands Cox Professor of Anatomy, University of Birmingham

## APPENDIX IV

# RECOGNITION OF TEACHERS

The following members of the academic staff have been granted, during the academic year 1954–55, Full Recognition as Teachers of the University in the subjects and in the University Faculties indicated:

| | |
|---|---|
| B. Cheng | Law (International Law) (Laws) |
| S. P. Datta | Biochemistry (Medicine and Science) |
| E. W. Handley | Classics (Arts) |
| E. J. Harris | Biophysics (Science) |
| D. C. Holland | Law (Laws) |
| R. E. Jennings | Physics (Science) |
| J. L. Mongar | Pharmacology (Medicine and Science) |
| K. F. Roth | Mathematics (Arts and Science) |
| E. H. Scamell | Law (Laws) |
| R. Staveley | Librarianship (Arts) |
| Susan Strange | International Relations (Economics) |
| A. J. Taylor | History (Arts) |
| V. P. Underwood | French (Arts) |
| R. A. Wollheim | Philosophy (Arts) |

APPENDIX V

# PRINCIPAL CHANGES IN THE ACADEMIC STAFF

## FACULTY OF ARTS

### ANTHROPOLOGY

*Appointments:* R. E. Bradbury, B.A. (Research Assistant), formerly working under Field Research Fellowship of the International African Institute.
D. J. Stenning, M.A. (Assistant Lecturer), from research with the Colonial Social Science Research Council.

### ARCHITECTURE

*Appointment:* R. J. Fisher, A.R.I.B.A. (Part-time Lecturer).

### EGYPTOLOGY

*Appointment:* R. O. Faulkner, F.S.A. (Part-time Lecturer).

### ENGLISH LANGUAGE AND LITERATURE

*Appointments:* B. D. Greenslade, B.A. (Lecturer), formerly Lecturer in English at Makerere College.
J. M. Dodgson, B.A. (Assistant Lecturer), formerly Secretary of the English Place-Name Society.
M. Emslie, B.A. (Assistant Lecturer), formerly Supervisor of undergraduates of Pembroke and Magdalene Colleges reading for the English Tripos.
Marion G. Jones, B.A. (Assistant Lecturer).
G. I. Needham, B.A. (Assistant Lecturer).
D. B. Thomas, B.A. (Honorary Research Associate).

*Resignations:* G. J. Kane, M.A., PH.D. (Reader), on appointment to the University Chair of English Language and Literature at Royal Holloway College.
T. J. B. Spencer, PH.D. (Lecturer), on appointment to the Chair of English at Queen's University, Belfast.
A. V. Chapple, B.A. (Assistant).

### FINE ARTS

*Appointments:* R. A. Davey, B.A. (Part-time Assistant), from College Franco-Britannique in Paris.
M. Feild (Part-time Assistant).
M. Froy (Part-time Assistant).

### FRENCH

*Appointment:* V. P. Underwood, PH.D., D.ÈS.L. (Lecturer), formerly Temporary Lecturer in department.

*Retirement:* Beatrice J. Schlumberger, M.A. (Senior Lecturer).

### GEOGRAPHY

*Appointment:* J. H. Johnson, M.A. (Assistant Lecturer), formerly at the University of Wisconsin.

*Resignations:* B. R. Law, B.SC.(ECON.) (Lecturer), to appointment with Staffordshire County Council.
D. M. Ricks, B.A. (Assistant Lecturer).

GERMAN

*Resignations:* W. Schwarz, M.A., PH.D. (Lecturer), on appointment to the Chair of Mediaeval German in the University of Amsterdam.
M. P. L. Hamburger (Assistant Lecturer).

HISTORY

*Retirement:* Professor H. Hale Bellot, M.A.

*Resignation:* Helen Miller, B.A., M.A. (Research Assistant).

ITALIAN

*Resignation:* D. S. Duncan, B.A. (Lecturer), on appointment as Head of Italian Department at Birkbeck College.

LIBRARIANSHIP AND ARCHIVES

*Appointments:* A. G. Watson, M.A. (Lecturer), from Guildhall Library.
J. E. Fagg, M.A. (Part-time Lecturer), from Public Record Office.
H. C. Johnson, O.B.E., M.A. (Part-time Lecturer), from Public Record Office.
D. B. Wardle, B.A. (Part-time Lecturer), from Public Record Office.

PHILOSOPHY

*Appointment:* P. Long, B.A. (Assistant Lecturer), formerly Part-time Assistant in Department.

POLITICAL ECONOMY

*Appointment:* S. G. Sturmey, PH.D. (Assistant Lecturer), From University of Manchester.

PSYCHOLOGY

*Appointments:* N. F. Dixon, B.A. (Assistant Lecturer), formerly a research student at the University of Reading.
R. B. Buzzard, B.A., B.M., B.CH. (Honorary Research Associate).

*Resignation:* Norah M. Davis, PH.D. (Honorary Research Associate).

SCANDINAVIAN STUDIES

*Appointment:* S. A. Bergmann, FIL.MAG. (Crown Princess Louise Lecturer in Swedish).

TOWN PLANNING

*Resignation:* A. G. Ling, B.A.(ARCH.), A.R.I.B.A., M.T.P.I. (Part-time Senior Lecturer), on appointment as City Architect and Planner for Coventry.

## FACULTY OF LAWS

*Appointment:* R. M. Forrest, LL.B. (Honorary Lecturer).

*Resignations:* Professor Glanville L. Williams, M.A., PH.D., LL.D., to take up a Fellowship at Jesus College, Cambridge.

## FACULTY OF SCIENCE

### BOTANY

*Appointment:* D. Wilkie, PH.D. (Lecturer), formerly Assistant in Botany Department of University of Glasgow.

*Resignation:* Sonja Beruh, B.SC., A.R.C.S. (Assistant Lecturer).

### CHEMISTRY

*Appointments:* R. S. Nyholm, D.SC. (Professor from 1 April 1955), formerly Associate Professor of Inorganic Chemistry at University of Technology, Sydney, N.S.W.

T. M. Dunn, M.SC. (Assistant Lecturer).

*Retirement:* O. L. Brady, D.SC., D.I.C., F.R.I.C. (Reader).

*Resignation:* T. Iredale, D.SC. (Honorary Research Associate).

### EUGENICS, BIOMETRY, AND GENETICS

*Appointment:* Ursula Mittwoch, PH.D. (Assistant Lecturer), formerly Honorary Research Assistant in department.

### GEOLOGY

*Appointment:* A. J. Lloyd, B.SC. (Assistant Lecturer), formerly working in department.

### HISTORY AND PHILOSOPHY OF SCIENCE

*Retirement:* Professor H. Dingle, D.SC., D.I.C., A.R.C.S.

### MATHEMATICS

*Appointment:* P. Du Val, PH.D. (Reader in Geometry), formerly at Bristol University.

*Resignations:* R. Capildeo, M.SC., PH.D. (Lecturer), to Lectureship at the University College of Khartoum.

T. H. Richardson, M.SC., A.R.C.S., D.I.C. (Assistant Lecturer), to work for General Electric Company.

### PHYSICS

*Appointment:* E. J. Smith, PH.D., A.R.I.C. (Lecturer), formerly Honorary Research Assistant in department.

### ZOOLOGY AND COMPARATIVE ANATOMY

*Appointment:* L. Brent, B.SC. (Assistant Lecturer), formerly departmental Demonstrator in department.

## FACULTY OF ENGINEERING

### CHEMICAL ENGINEERING

*Appointment:* K. Ridgway, B.SC. (Assistant Lecturer), formerly a postgraduate student in department.

### ELECTRICAL ENGINEERING

*Appointment:* I. M. Stephenson, M.SC. (Lecturer), formerly working in department.

*Resignation:* A. L. Cullen, B.SC.(ENG.), PH.D., A.M.I.E.E., A.C.G.I. (Reader), on appointment to the Chair of Electrical Engineering at Sheffield University.

## FACULTY OF MEDICAL SCIENCES

### ANATOMY AND EMBRYOLOGY

*Appointments:* Ruby M. Collister, M.D., L.R.F.P.S. (Assistant Lecturer).

June R. Hill, B.SC., M.B., B.S. (Assistant Lecturer), formerly Anaesthetics Registrar, University College Hospital.

K. E. Wardill, M.B., B.S., D.T.M.H. (Assistant Lecturer), formerly at the London School of Hygiene and Tropical Medicine.

J. G. Ross, B.A., B.M., B.CH. (Assistant Lecturer), formerly with the Thoracic Unit of St Bartholomew's Hospital at St Albans.

E. G. Gray, B.SC. (Research Assistant), formerly doing research under a Medical Research Council Scholarship at the University College of Wales.

*Resignations:* J. P. Stanier, B.A. (Research Assistant), to University of Durham.

R. W. G. Wyckoff, PH.D., M.D., SC.D. (Honorary Research Associate), returning to America.

### BIOCHEMISTRY

*Appointments:* B. R. Rabin, M.SC. (Assistant Lecturer), formerly working in department.

A. P. Mathias, PH.D. (Assistant Lecturer), formerly working at the Lister Institute.

P. N. Campbell, PH.D. (Honorary Lecturer), on staff of Medical Research Council at National Institute of Medical Research.

F. L. Warren, PH.D., D.SC., F.R.I.C. (Honorary Lecturer), Professor of Biochemistry at London Hospital Medical College.

### BIOPHYSICS

*Resignations:* B. C. Abbott, PH.D. (Lecturer), on appointment to the Marine Biological Laboratory, Plymouth.

A. R. Martin, M.SC. (Research Assistant).

### PHARMACOLOGY

*Appointments:* D. R. Laurence, M.D., M.R.C.P. (Part-time Senior Lecturer, joint appointment with University College Hospital Medical School).

Hannah Steinberg, PH.D. (Assistant Lecturer), formerly Honorary Research Assistant in department.

### PHYSIOLOGY

*Appointments:* D. R. Wilkie, M.D., M.R.C.P. (Reader in Experimental Physiology), Locke Research Fellow of the Royal Society.

M. Schachter, M.SC., M.D., C.M. (Lecturer), member of staff of National Institute of Preventive medicine, London.

S. J. Hubbard, PH.D. (Assistant Lecturer), formerly working in department.

O. Holmes, B.SC. (Bayliss-Starling Scholar).

APPENDIX VI

# SPECIAL LECTURES

## A.—PUBLIC LECTURES

### ENDOWED LECTURES

BARLOW LECTURES

Dr L. Minio-Paluello, Oxford: 'Philosophy in the Times of Dante' (three lectures)

COMMONWEALTH FUND LECTURES

Professor Richard Hosftadter, Columbia: 'American Liberalism from Bryan to Wilson' (eight lectures)

FOLKLORE LECTURES

Professor Dag Strömbäck, Uppsala: 'The Academic Approach to Folk-Lore Studies'
Mr A. Brown: 'Folk-Lore and the Drama'
Dr G. J. Kane: 'Folk-Lore and Literary Fiction'
Dr K. A. Sinnhuber: 'Folk-Lore and the Landscape'
Dr Margaret A. Murray: 'The Importance of English Folk-Lore'

LORD NORTHCLIFFE LECTURES IN LITERATURE

Mr Isaiah Berlin, Oxford: ' "The Marvellous Decade": Literature and Social Criticism in Russia, 1838–48' (four lectures)

RICKMAN GODLEE LECTURE

Professor A. E. Richardson: 'Retrospect and Prospect'

### INAUGURAL LECTURE

Professor G. P. Wells, Professor of Zoology: 'The Sources of Animal Behaviour'

### LUNCH-HOUR LECTURES

Professor C. W. Allen: 'Activity in the Sun's Atmosphere'
Dr G. Aquilecchia: 'Manzoni, Leopardi, and the Romantic Movement in Italy'
Dr A. J. Arkell: 'The Magical Statuettes of Ancient Egypt'
Professor A. J. Ayer: 'A Visit to Pekin and Moscow'
Mr B. C. Brookes: 'The Process of Explaining'
Mr R. H. C. Davis: 'A Visit to Mount Athos'
Dr G. E. Fogg: 'The Use of Microscopic Plants in the United States'
Mr I. C. Gröndahl: 'Characteristics of Norwegian Poetry'
Professor J. B. S. Haldane: 'The Origins of Christianity in the Light of the Kumran Manuscripts'
Mr M. P. L. Hamburger: 'Expressionism in German Poetry'
Dr P. E. Hodgson: 'Nuclear Disintegration'
Professor S. E. Hollingworth: 'Geological Expedition to Northern Norway'
Dr R. P. Kelvin: 'Missing the Point in Psychology'
Dr C. D. King: 'The Laughter of Marcel Proust'

Dr H. E. Lewis: 'The British North Greenland Expedition, 1952–54'
Dr D. McKie: 'French Contributions to Science'
Dr R. D. McLellan: 'Roman Education'
Professor P. B. Medawar: ' The Errors of Nature'
Professor C. M. Robertson: 'The Decoration of a Roman House'
Dr B. A. Rowley: 'Psychology and Literary Criticism'
Dr T. J. B. Spencer: 'Shakespeare under Censure'
Dr S. Stein: 'The Conflict between Religion and Science in Medieval Hebrew Literature'
Dr Hannah Steinberg: 'Drugs and Psychological Tests'
Mr J. P. Stevenson: 'Insects and Disease'
Professor James R. Sutherland: 'George Orwell'
Dr O. J. L. Szemerényi: 'Tabu in Language'
Mr A. J. Taylor: 'From Pit to Parliament: George Elliot and Thomas Burt'
Mr H. Tout: 'Monopoly and Industrial Efficiency'
Professor T. B. L. Webster: 'Homer and the Mycenaean Tablets'
Dr G. A. Wells: 'The Stand against Scientific History: Schopenhauer to Collingwood'
Mr R. A. Wollheim: 'Vilfredo Pareto as Sociologist and Political Thinker'
Professor J. Z. Young: 'The counting of Microscopic Particles'

## LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

### BIOCHEMISTRY

Dr S. R. Elsden, Sheffield: 'Respiratory Mechanisms in Bacteria' (four lectures)
Dr Joseph Needham, Cambridge: 'New Light on Physico-Chemical Aspects of Morphogenesis' (three lectures)
Professor Emil L. Smith, Utah: 'Mode of Action of Proteolytic Enzymes' (three lectures)
Dr E. E. Snell, Texas: 'The Relationship of Structure to Catalytic Activities of Vitamin B6'

### ENGLISH LANGUAGE AND LITERATURE

Professor Hans Sperber, Ohio: 'Communication and the Terminology of Politics'

### PHARMACOLOGY

Professor F. Bergel: 'Attempts at Chemotherapy of Malignant Diseases'
Professor O. Krayer, Harvard: 'New Aspects of the Pharmacology of Veratrum Alkaloids: The Antiaccelerator Cardiac Action of the Secondary Amines'

### CUSHNY MEMORIAL LECTURES

Dr L. E. Bayliss: 'The Process of Secretion'
Professor G. M. Bull, Belfast: 'The Physiology of Osmotic Diuresis and its Clinical Effects'
Dr S. E. Dicker: 'Renal Clearances in Mammalian Kidneys'
Dr M. Grace Eggleton: 'Tubular Reabsorption and Secretion'
Dr H. Harris: 'Genetics Aspects of Tubular Function'

Professor R. A. McCance, Cambridge: 'Metabolism and Renal Function in the First Few Days of Life'
Dr J. D. N. Nabarro, Middlesex Hospital: 'The Adrenal Cortex and Renal Function'
Dr Mary Pickford, Edinburgh: 'Antidiuresis'
Professor M. L. Rosenheim, University College Hospital Medical School: 'Functional Aspects of Renal Failure'
Professor F. R. Winton: 'Physical Factors affecting Renal Function'

GEDDES CENTENARY LECTURE

Sir George Pepler: 'Geddes' Contribution to Town Planning'

COMMUNICATION RESEARCH CENTRE LECTURES

Dr E. V. Rieu: 'Translation'
Professor R. W. Russell: 'The Importance of Human Communication in Industry'
Mr W. K. Taylor: 'A Mathematical Model of Neuronal Interaction'
Mr David Thomas: 'Communication and Typography'
Professor J. Z. Young: 'The Language of Neurology, its Advantages and Limitations'

## B.—A SELECTION OF LECTURES GIVEN OUTSIDE THE COLLEGE BY MEMBERS OF THE STAFF

Professor H. M. Barlow (Electrical Engineering): 'Guided waves'—Sir John Blake Memorial Lecture, Patent Office, London.
Professor H. Dingle (History and Philosophy of Science): 'The Source of Eddington Philosophy'—Eddington Memorial Lecture, University of Cambridge.
'Solipsism and Related Matters'—Herbert Spencer Lecture, University of Oxford.
Professor W. B. Emery (Egyptology): 'The First Egyptian Dynasty'—Norton Lectures given in universities and institutions in the United States of America and Canada.
'Excavations at Sakkara'—Egypt Exploration Society Lecture at the Royal Society.
Professor Daryll Forde (Anthropology): 'Social Effects of Industrialisation and Urbanisation in Tropical Africa'—Munro Lecture, University of Edinburgh.
Professor C. K. Ingold (Chemistry): 'Congress Lecture'—International Union of Pure and Applied Chemistry, Zurich.
Professor Kathleen Lonsdale (Chemistry): 'Hydrogen Atoms in Crystals'—Ritchie Lecture, University of Edinburgh.
Professor P. B. Medawar (Zoology): 'The Transplantation of Skin'—Sigmund Pollitzer Lecture, New York University Medical School.
Professor A. D. Momigliano (History): 'Cassiodorus and Italian Culture in the Sixth Century'—The Italian Lecture of the British Academy for 1955.
Dr G. Schwarzenberger (Laws): 'The Principles of International Law'—Hague Academy of International Law.

APPENDIX VII

# NUMBERS OF STUDENTS, SESSION 1954–55

| | *Under-graduates* | *Post-graduates* | *Totals* |
|---|---|---|---|
| Faculty of Arts: | | | |
| (*a*) General .. .. .. .. | 770 (320) | 188 (91) | 958 (411) |
| (*b*) Department of Political Economy.. | 125 (1) | 20 (11) | 145 (12) |
| (*c*) Slade School of Fine Art .. .. | 227 (39) | — (—) | 227 (39) |
| (*d*) Bartlett School of Architecture .. | 178 (6) | 2 (2) | 180 (8) |
| (*e*) Department of Town Planning .. | 86 (84) | 30 (29) | 116 (113) |
| (*f*) School of Librarianship and Archives .. .. .. .. | 10 (10) | 36 (1) | 46 (11) |
| Faculty of Science .. .. .. .. | 591 (16) | 308 (109) | 899 (125) |
| Faculty of Medical Sciences .. .. | 225 (44) | 9* (3) | 234 (47) |
| Faculty of Engineering .. .. .. | 195 (—) | 77 (15) | 272 (15) |
| Faculty of Laws .. .. .. .. | 309 (79) | 62 (35) | 371 (114) |
| | 2,716 (599) | 732 (296) | 3,448 (895) |

* This figure excludes 28 postgraduate students in the Faculty of Medical Sciences who were registered in the University Faculty of Science.

The figures in brackets indicate the number of part-time students which is included in the total under each head.

APPENDIX VIII

# GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1954–55

| | *Under-graduates* | *Post-graduates* | *Totals* |
|---|---|---|---|
| UNITED KINGDOM | | | |
| London | 313 | 113 | 426 |
| Home Counties (30-mile radius) | 895 | 231 | 1,126 |
| Remainder of United Kingdom | 1,076 | 174 | 1,250 |
| BRITISH COMMONWEALTH OF NATIONS | | | |
| Australia | 14 | 6 | 20 |
| Canada | 14 | 14 | 28 |
| Hong Kong | 10 | 2 | 12 |
| India | 27 | 44 | 71 |
| Malaya | 16 | — | 16 |
| Nigeria | 19 | 5 | 24 |
| Pakistan | 11 | 17 | 28 |
| South Africa | 23 | 7 | 30 |
| Other Countries | 61 | 19 | 80 |
| OTHER PARTS OF THE WORLD | | | |
| Egypt | 6 | 17 | 23 |
| Eire | 7 | 3 | 10 |
| France | 60 | 4 | 64 |
| Germany | 12 | 3 | 15 |
| Greece | 15 | 1 | 16 |
| Iraq | 2 | 8 | 10 |
| Italy | 10 | 1 | 11 |
| Norway | 11 | 3 | 14 |
| Sweden | 13 | — | 13 |
| United States of America | 28 | 28 | 56 |
| Other Countries | 73 | 32 | 105 |
| Totals | 2,716 | 732 | 3,448 |

SUMMARY

| | |
|---|---|
| United Kingdom | 2,802 |
| British Commonwealth of Nations | 309 |
| Other Parts of the World | 337 |
| | 3,448 |

APPENDIX IX

# UNIVERSITY HONOURS

## HIGHER DEGREES

### FACULTY OF ARTS

Ph.D. *Anthropology:* Tanya M. Baker, S. M. Salim, E. Sunderland. *Architecture:* B. B. Lewis, J. A. Lomax. *English:* Elizabeth M. Liggins. *French:* R. E. Asher, Anne M. Lowe, Alexina L. Macpherson (and private study), Christine F. E. B. Pietrkiewicz, I. M. P. Raeside, B. J. Walker (and private study). *Greek:* S. Usher, P. Walcot. *History:* W. W. Cruickshank, J. A. Johnson, J. Lynch, H. Mitchell, N. F. Richards, A. M. Ross. *Latin:* L. D. Attia. *Philosophy:* P. R. Bridger. *Psychology:* J. J. Dixon, S. M. Moghi, A. Rauf, S. M. H. Zaidi, Anna Zajaczkowska. [27]

M.A. *Anthropology:* Rosemary L. Harris (Mark of Distinction), Schifra Strizower. *English:* Inez B. E. Bailey, A. J. Chapple, B. D. Greenslade, C. H. Peake (Mark of Distinction), Verona M. Taylor (and Westfield College), J. F. Warburg. *Hebrew and Aramaic:* J. Soussan (and Jews' College). *History:* E. T. Joy. *Psychology:* Mary D. C. Gaul, Bothayna A. Kandil, Eva M. Timon. [13]

### FACULTY OF ECONOMICS

Ph.D. Frances C. E. Toussaint. [1]

M.Sc. S. T. Kothari, B. R. Law, Romola Nandi, R. C. Simpson. [4]

### FACULTY OF LAWS

Ph.D. J. Mehdi, V. A. A. Seyid Muhammad, S. Stoljar. [3]

LL.M. F. A. Ajayi, W. J. Bolt, W. El-Nimer, B. D. Lipson, H. A. Lorentz, R. St J. Macdonald, R. J. B. St John, G. S. Shah. [8]

### FACULTY OF SCIENCE

D.Sc. *Chemistry:* L. C. Bateman, P. B. D. de la Mare. *Zoology:* J. S. Kennedy. [3]

Ph.D. *Anatomy:* M. A. F. H. Haddara. *Astrophysics:* V. C. Reddish. *Biochemistry:* L. Rathbone, B. A. Stone. *Botany:* B. L. T. de Silva (and University of Ceylon), A. R. H. Martin, J. W. Millbank. *Chemistry:* G. J. Buist, S. R. Dennison, P. W. Foster, P. D. Goulden, G. D. Harden, D. E. Jones, J. R. A. Kennedy, T. J. Lewis, J. G. Pritchard, A. B. Taylor, M. L. E. Tobe, R. F. M. White. *Chemical Engineering:* J. W. Mullin, H. Singer. *Embryology:* D. A. T. New. *History and Philosophy of Science:* C. T. Moss, Margaret E. Rowbottom (and private study), J. S. Rowe, K. W. Ulyatt. *Mathematics:* D. C. Cooper, U. Guha, D. W. Sida, M. G. Simpson. *Pharmacology:* Christine M. Tyler. *Physiology:* J. Diamond, J. G. Nicholls. *Physics:* C. Carter, K. K. Damodaran, J. Ellis, R. King (and The Royal Institution of Great Britain), P. W.

Roberts, W. F. Williams, A. P. Willmore. *Psychology:* W. H. Hammond, Irene Heasman, D. Melvin (and Institute of Psychiatry). *Statistics:* S. H. Abdel-Ati, D. H. Bhate, C. Mishra, P. G. Moore. *Zoology:* L. Brent, D. M. Guthrie. [49]

M.Sc. *Biochemistry:* D. Gilbert, G. E. Hobson, A. H. Maddy, J. Paul, D. C. Watts, R. J. Woodman. *Botany:* Mary E. Fogwill. *History and Philosophy of Science:* A. W. Badcock, M. P. Earles. *Mathematics:* R. V. Clark (Mark of Distinction), M. R. Mehdi (Mark of Distinction). *Physiology:* D. W. Grieve. *Psychology:* Barbara T. Skelsey (and Institute of Psychiatry). [13]

## FACULTY OF MEDICAL SCIENCES

Ph.D. *Anatomy:* T. A. Quilliam. *Biochemistry:* S. J. Klebanoff. *Pharmacology:* R. J. Fitzpatrick. [3]

## FACULTY OF ENGINEERING

D.Sc. G. T. R. Hill. [1]

Ph.D. B. A. Cooke, R. Fogel, J. R. Grover, K. J. Ives, B. R. S. Jones, I. S. Pearsall, J. M. Salomon, F. P. Stainthorp. [8]

M.Sc. C. L. Chapman, W. M. G. Fernando, Mya Han, H. L. Oswal, K. Singh, D. G. Watkeys. [6]

## UNIVERSITY UNDERGRADUATE AWARDS

*Architecture:* H. A. W. Simons (Carpenters' Company Scholarship).
*Fine Art:* Margaret E. Evans (Richardson Scholarship for Women).

## UNIVERSITY STUDENTSHIPS

*Botany:* J. A. Adcock. *Engineering:* J. M. Burgess. *English:* W. A. Davenport, B. T. Firth (George Smith Studentship and book prize), D. J. Lodge. *Fine Art:* M. H. Kellaway.

## UNIVERSITY POSTGRADUATE AWARDS

D. L. Paisey (Studentship under German Exchange scheme). M. W. Hughes Clarke (William Gilles Research Fellowship in the Faculty of Science, awarded by the Clothworkers' Company). B. A. Stone (Imperial Chemical Industries Research Fellowship).

Postgraduate Studentships—*Biochemistry:* Mary Bryant (renewal). *Chemistry:* J. L. Holmes. *Engineering:* A. H. Makomaski. *English:* J. F. Hulcoop. *French:* Janina W. Felix (renewal for one term), W. G. W. Jensen. *Geology:* K. J. Ackermann (renewal), W. A. Gordon. *German:* D. L. Paisey. *History:* B. Dietz, W. J. Jones, H. G. Owen, Penelope Renold. *Laws:* M. B. Conn. *Mathematics:* D. C. Belinfante. *Philosophy:* P. B. Downing. *Physics:* P. G. Burke (renewal), G. W. Green (renewal), A. Weinmann.

APPENDIX X

# COLLEGE AWARDS TO STUDENTS

## I.—ENTRANCE SCHOLARSHIPS

*Andrews Scholarships.—Arts:* B. Taylor (3rd Year); Judy E. R. V. Schafer, Brondesbury & Kilburn High School (1st Year). *Classics:* P. H. Durham (2nd Year); Rosemary A. Peachey, Perse Girls' School, Cambridge (1st Year). *Science:* D. H. Miles (3rd Year); R. J. Cole (2nd Year); A. K. Common, Farnham Grammar School (1st Year).

*Bartlett Exhibitions in Architecture.*—J. A. Browning (4th Year); J. R. G. Thomas (4th Year); D. R. Bagot (3rd Year); A. D. C. Hyland (3rd Year); D. G. Campion (2nd Year); E. R. Lane (2nd Year); S. J. Thorpe (2nd Year); M. R. Court, Bradfield College, Berks. (1st Year); J. D. Starling, Eastbourne College (1st Year).

*Bucknill Medical Scholarship.*—R. D. T. Jenkin (3rd Year); B. D. Ross, William Ellis School, London, N.W.5 (1st Year).

*Campbell Clarke Scholarship in English.*—E. A. Gleave (3rd Year).

*Epsom Medical Scholarship.*—G. A. Hunter (1st Year).

*Goldsmid Scholarships.—Science:* M. D. Hooper (3rd Year); A. P. Mainwaring (2nd Year); B. Roberts, St. John's School, Leatherhead (1st Year). *Engineering:* A. Towers (3rd Year); D. Priestley (2nd Year); K. D. Raven, Purley County Grammar School (1st Year).

*Hume-Lloyd Scholarship in Political Economy.*—L. Silverman (3rd Year); B. Fasey (2nd Year); D. E. Gladding, City Secondary Grammar School, Lincoln (1st Year).

*Laws Scholarship.*—V. L. Shebson (2nd Year); No award (1st Year).

*Exhibitions in Librarianship and Archive Administration.*—A. E. Jeffreys, University College London; L. A. Martin, University College London.

*Medical Exhibition.*—F. D. Trevarthen, Penzance County Boy's School (1st Year).

*Rosa Morison Scholarship (Arts).*—Pearl M. Downer (3rd Year); J. L. M. Gulley (2nd Year); Angela H. Gardner, Hastings High School (1st Year).

*Alfred W. Rich Scholarship (Fine Art).*—Diana E. Webbe (2nd Year).

*Slade Scholarship.*—E. P. T. Finlay (3rd Year); R. M. Hallett (2nd Year); R. J. Kitts, Luton School of Art (1st Year).

*Trevelyan Goodall Art Scholarship.*—R. C. Pratt (2nd Year).

*University College School Centenary Scholarship.*—M. P. Vessey (2nd Year).

*Webb Scholarship.*—Claudia A. B. Carasco (2nd Year).

## II.—OTHER SCHOLARSHIPS AND DISTINCTIONS

*Anatomy Class Prizes.—Medical:* I. P. Griffith. *Dental:* K. Diamond.

*Anatomy and Physiology (B.Sc. Degree) Exhibitions.—Anatomy:* J. M. Campbell;

K. Hollinrake; Aldona J. Kielbinska. *Physiology*; R. T. J. Allen; I. P. Griffith; D. Lamb; G. Sackstein.

*Anatomy and Physiology (B.Sc. Degree) Scholarships.—Anatomy:* H. Baderman; Elizabeth J. Chilcott; D. W. Kay; H. G. Peters.

*Herbert Batsford Prize (Architecture).*—H. A. W. Simons.

*Bayliss-Starling Memorial Scholarship (Physiology).*—D. J. Holdstock.

*Alfred Bossom Prize in Domestic Architecture.*—D. J. F. Luckhurst.

*Alfred Bossom Atelier Prizes.—English Architecture:* S. A. Hamilton-Fletcher. *Contemporary Architecture:* H. L. Dick.

*Mary Brodrick Prize (Geography).*—R. H. Heathcote.

*Margaret Browne Studentship (Zoology).*—B. G. Gardiner.

*'The Builder' Prizes (Architecture)* for work done in the Long Vacation 1954.—*Senior:* M. R. Evans. *Junior:* M. Bailey.

*Chadwick Medal and Prize (Municipal Engineering).*—C. A. W. Deane.

*Antonio Cippico Medal and Prize (Italian).*—Gillian Hall.

*Lilian Clarke Prize (Botany).*—J. A. Adcock.

*Clinton Prize (Electrical Engineering).*—A. F. Evers.

*Cowley Prizes (Librarianship and Archive Administration).—Librarianship:* D. F. Cooke. *Archive Administration:* No award.

*Cluff Memorial Prize (Medical Sciences).*—R. D. T. Jenkin.

*Dawes Hicks Scholarships (Philosophy).*—M. Marković; Bernadette M. Wallack.

*Donaldson Medals and Prize (Architecture).*—S. A. Hamilton-Fletcher and P. C. Sugar, prize equally divided.

*Early English Text Society's Prize.*—Mary F. Jacob.

*Esso Studentships (Chemical Engineering).*—D. Greenaway (1st Year); J. C. Scott (1st Year); K. W. Carley-Macauly (3rd Year).

*Foreign Student Scholarship in Arts.*—M. Marković.

*Carey Foster Research Prize (Physics).*—P. Baxter A. J. Metheringham, prize equally divided.

*Foyle Prize (Latin).*—T. J. Saunders.

*Gladstone Prize for Historical Essay.*—A. H. Smith (1954 award).

*Heimann Medal and Prize (German).*—Irene Henry.

*Henriques Scholarship (Fine Art).*—Margaret E. Evans.

*Elsie Hitchcock Prize (English).*—B. T. Firth.

*John Oliver Hobbes Memorial Scholarship in Modern English Literature.*—D. J. Lodge.

*Hollier Scholarships.—Greek:* L. F. B. Gestrin; J. H. Harrop; A. Seeberg.

*R. B. Hounsfield Prizes.—Town Planning and Civil Engineering:* T. Argyropoulos. *Traffic Engineering:* R. Broadhead.

*Joseph Hume Scholarship in Jurisprudence.*—J. S. Read (1954 award).

*Incorporated Institute of British Decorators' Prize.*—Fatma S. Seydi and P. J. G. Smith, prize equally divided.

*Jews' Commemoration Scholarship.*—C. P. McConnachie, Engineering (2nd Year); Shirley A. Straw, Science (1st Year).

*Jolowicz Prize (Roman Law).*—V. L. Shebson.

*Ker Memorial Prize (English Language and Literature).*—P. F. Vernon.

*Leverhulme Studentships in Chemical Engineering.*—F. A. Holland; J. S. Lewis.

*Lloyd Scholarship in Modern Greek.*—W. H. C. O'Neill.

*Sir John MacAlister Medal and Prize (Librarianship).*—Joan M. Frank.

*Betty Malcolm Scholarship (Fine Art).*—C. S. Anson.

*Malden Scholarship (Greek).*—W. H. C. O'Neill.

*Sir William Meyer Studentship (European History).*—S. W. F. Holloway.

*John Stuart Mill Scholarship in Philosophy of Mind and Logic.*—Margaret M. Paton.

*Momber Scholarship in Physics.*—W. A. Towlson (2nd Year).

*Momber Scholarship in Science.*—A Burgess (Physics).

*Rosa Morison Memorial Medal and Prize (Science).*—P. F. Smith.

*Rosa Morison Prizes.—French:* Y. Ron. *Philosophy:* Maria M. L. Szlatinay. *Scandinavian Languages:* E. J. Deverill.

*Rosa Morison Postgraduate Scholarship in Arts.*—J. F. Hulcoop (2nd Year); Ruby C. Todd (1st Year).

*Rosa Morison Postgraduate Scholarship in English.*—Catriona E. MacGowan (2nd Year); Muriel Jackson (1st Year).

*Morley Medal and Prize (Modern English Literature).*—D. J. Lodge.

*Morris Prize (Geology).*—R. Nicholson.

*Douglas Murray Scholarship in Egyptology.*—D. M. Dixon.

*Melvill Nettleship Prize (Figure Composition).*—N. T. Norris.

*Parry Prize (Geography).*—A. L. Mabogunje.

*Catherine Maude Pearce Scholarship.*—Caroline James.

*Physiology Class Prizes.—Medical:* G. Sackstein. *Dental:* B. Semus.

*Platt Prizes (Greek).*—C. E. Hajistephanou; Matrona Xylas.

*Pollard Prize (History).*—S. W. F. Holloway.

*Postgate Prize (Classical Philology).*—I. McNeill.

*Quain Studentship.—English:* C. H. Peake (2nd Year); *Biology:* V. Moses (3rd Year).

*Ramsay Memorial Medal and Prize (Chemistry).*—K. M. Sinnott.

*Ricardo Scholarship (Political Economy).*—H. K. M. Singh.

*Mary Rischgitz Prize* (*Fine Art*).—M. J. Elliott and Margaret E. Evans, prize equally divided.

*Graham Robertson Travelling Scholarship* (*Fine Art*).—Margaret E. Evans, Margaret J. H. Ross, and D. M. Storey, scholarship equally divided.

*Robert Ross Scholarship* (*Fine Art*).—G. P. McSweeney.

*L. M. Rothschild Scholarship in French.*—F. Corless.

*Mayer de Rothschild Scholarship in Pure Mathematics.*—D. Ridout.

*Sharpey Physiological Scholarship.*—J. Diamond (3rd Year).

*Shell Postgraduate Studentship* (*Chemical Engineering*).—A. G. Box; M. E. Darlington; S. R. C. Jewell-Thomas; J. R. Masson.

*Slade Scholarships.*—R. J. C. England; J. S. James; P. S. Schmidt.

*Stanbury Scholarship in Stage Design.*—T. A. Cross.

*Suckling Memorial Prize* (*Anatomy*).—R. T. J. Allen.

*Sir Andrew Taylor Prizes.—Architecture:* R. C. Pratt. *Fine Art:* J. H. Hope.

*Henry Tonks Prize* (*Fine Art*).—N. J. Dilworth.

*Troughton Scholarship* (*Postgraduate*).—Brenda P. Stephen.

*Tuffnell Scholarship* (*Chemistry*).—D. J. Thomas.

*L. F. Vernon-Harcourt Prize* (*Civil Engineers*).—R. Green.

*Thomas Viola Prize* (*Stage Design*).—Catherine E. Fellegi.

*Ellen Watson Memorial Scholarship in Applied Mathematics.*—D. Ridout.

## APPENDIX XI

# EXAMINATION RESULTS

## FACULTY OF ARTS

| B.A. Honours | *1st Class* | *2nd Class* | | *3rd Class* | *Total* |
|---|---|---|---|---|---|
| | | *Upper Div.* | *Lower Div.* | | |
| Anthropology | — | 1 | — | — | 1 |
| Classics | 1 | 4 | 7 | 3 | 15 |
| English | 5 | 14 | 15 | 6 | 40 |
| French | — | 4 | 12 | 7 | 23 |
| Geography | 1 | 3 | 8 | 1 | 13 |
| German | — | 2 | 6 | 2 | 10 |
| Hebrew | — | — | — | 1 | 1 |
| History | — | 12 | 7 | 6 | 25 |
| Italian | — | 1 | 1 | 1 | 3 |
| Latin | — | — | 1 | — | 1 |
| Philosophy | — | 1 | 2 | — | 3 |
| Psychology | — | 2 | 1 | — | 3 |
| Scandinavian Languages | — | 1 | 1 | — | 2 |
| | 7 | 45 | 61 | 27 | 140 |

| | *1st Division* | *2nd Division* | *3rd Division* | *Total* |
|---|---|---|---|---|
| B.A. (General) | — | — | 1 | 1 |

| | 1st Class Honours | 2nd Class Honours | Pass | Total |
|---|---|---|---|---|
| B.A. Architecture | 2 | 7 | 5 | 14 |

## FACULTY OF ECONOMICS

| | 1st Class Honours | 2nd Class Honours Upper Div. | 2nd Class Honours Lower Div. | Pass | Total |
|---|---|---|---|---|---|
| B.Sc. (Economics) | 1 | 8 | 16 | 11 | 36 |

## FACULTY OF LAWS

| | 1st Class Honours | 2nd Class Honours Upper Div. | 2nd Class Honours Lower Div. | Pass | Total |
|---|---|---|---|---|---|
| LL.B. | — | 6 | 29 | 18 | 53 |

## FACULTY OF SCIENCE

| B.Sc. (Special) | 1st Class Honours | 2nd Class Honours Upper Div. | | 2nd Class Honours Lower Div. | 3rd Class Honours | | Total |
|---|---|---|---|---|---|---|---|
| Anatomy | 4 | 3 | | 1 | 1 | | 9 |
| Anthropology | — | — | | 1 | 1 | | 2 |
| Astronomy | — | — | | 2 | — | | 2 |
| Botany | 3 | 3 | | 2 | 1 | | 9 |
| Chemistry | 6 | 3 | | 12 | 5 | | 26 |
| Geography | — | 6 | | 5 | 1 | | 12 |
| Geology | 2 | 1 | | 1 | — | | 4 |
| Mathematics | 1 | 3 | | 4 | 3 | | 11 |
| Physics | 2 | 8 | | 11 | 6 | | 27 |
| Physiology | — | 8 | | 4 | 1 | | 13 |
| Psychology | 2 | 3 | | 4 | — | | 9 |
| | | | | | | Pass | |
| Statistics | | | 1 | | 2 | | 3 |
| Zoology | 2 | | 5 | | | 3 | 10 |
| | 22 | 38 | 6 | 47 | 21 | 3 | 137 |
| B.Sc. (General) | — | | 5 | | | 24 | 29 |

## FACULTY OF ENGINEERING

| | 1st Class Honours | 2nd Class Honours | Pass Degree | Total |
|---|---|---|---|---|
| B.Sc. (Engineering) | 5 | 12 | 9 | 26 |
| B.Sc. (Engineering) Chemical Engineering | 1 | 7 | 4 | 12 |

## FACULTY OF MEDICINE

Second Examination for Medical Degrees: 70 students passed.

# BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

### The Admiralty

A grant of approximately £4,140 for a period of three years from 2 May 1955, plus a sum not exceeding £960 for purchase of materials, apparatus and instruments, national insurance contributions, travelling expenses, etc., for research in the Department of Electrical Engineering on Transmission of Microwave Power.

### Agricultural Research Council

(1) A further grant not exceeding £2,156 for one year from 1 October 1954, for an investigation in the Department of Zoology into extrachromosomal influences in development and hereditary.

(2) A grant not exceeding £99 for a period of eight months from 1 August 1954, for research in the Department of Zoology on the phenomena of acquired tolerance of tissue grafts.

(3) A further grant not exceeding £518 for the year beginning 1 October 1954, for continuation of the investigation in the Department of Eugenics, Biometry and Genetics on quasi-continuous variation in the mouse.

(4) A further grant not exceeding £267 from 1 October 1954 to 31 March 1955, for research in the Department of Biochemistry into the amino acid content of insect blood.

(5) A further grant not exceeding £175 for one year from 1 April 1955, in aid of an investigation in the Department of Zoology into the viruses carried by British mosquitoes.

(6) A grant not exceeding £1,092 for the period 1 October 1954 to 31 March 1956, for research in the Department of Anatomy on the perfusion *in vitro* of the pregnant uterus.

(7) A further grant not exceeding £536 for one year from 1 April 1955, for research in the Department of Biochemistry on the composition of insect blood with special reference to nitrogenous constituents.

(8) A further grant not exceeding £300 for one year from 1 April 1955, for research in the Department of Zoology on the phenomena of acquired tolerance of tissue grafts.

(9) A further grant not exceeding £184 for one year from 1 April 1955, for research in the Department of Eugenics, Biometry and Genetics on (*a*) the genetics and cytology of European newts, (*b*) parthenogenesis in Libistes reticulatus, (*c*) genetics of developmental rate in Drosophila subobscura.

### Anonymous Donor

A gift of £250 for expenses involved in researches conducted by the Galton Laboratory in the Department of Eugenics, Biometry and Genetics.

### Professor H. Hale Bellot

A further gift of £50 for the American History Fund, to be placed at the disposal of the Institute of Historical Research.

### Board of Trade

An additional grant of £1,200 for the period 1 March 1955 to 30 September 1956, for extension of research in the Department of Political Economy on the relation of monopoly and competition to innovation in British Industry.

### Mr C. W. Boise

A gift of £12,000 to provide a travelling scholarship for the benefit of art students.

### British Empire Cancer Campaign

A further grant of £715 per annum for the year 1955, for research in the Department of Chemistry.

### British Petroleum Company Limited

A grant of £800 to assist in general research work in the Department of Chemical Engineering.

### The Research Council of the British Whiting Federation

A grant of one hundred guineas per annum for the two years 1955 and 1956 for research in the Department of Geology on microfauna from the cretaceous (chalk).

### The Chalk Quarrying Association

A grant of fifty guineas per annum for the two years 1955 and 1956 towards the cost of research in the Department of Geology on microfauna from the cretaceous (chalk).

### Electrical Research Association

A grant of £450 for purchase of additional equipment and stores for the furtherance of research in the Department of Electrical Engineering on transformer noise.

### Imperial Chemical Industries Limited

(1) A grant of £250 for the making of moulds in the Department of Chemical Engineering.

(2) A grant of £200 for the purchase of equipment for research in the Department of Mechanical Engineering on the strength of bursting discs.

### Institute of Landscape Architects

A further grant of £607 10*s.* 0*d.* per annum for four years from November 1955, for the maintenance in the Department of Town Planning of the Lectureship in Landscape Design.

### Medical Research Council

(1) A grant of £750 for one year from 1 January 1955, for research in the Department of Pharmacology.

(2) A grant of £3,100 for one year from 1 November 1954, for the production of co-enzyme A in the Department of Biochemistry in conjunction with the Department of Chemical Engineering.

(3) A grant of up to £400 for a period of one year in the first instance, for research in the Department of Physiology on ganglionic transmission using intracellular electrodes, and the effects of low temperatures (−79°) on isolated nervous tissue.

### Metropolitan Vickers Electrical Company Limited

A gift of a 30 kV. atmospheric air condenser and associated ratio arms box for use in the Department of Electrical Engineering.

### Ministry of Supply

(1) A grant of £2,000 over a period of two years, to cover salaries of two Research Assistants and a Technician, and maintenance costs in connection with research in the Department of Botany on the separation of hydrogen and deuterium by biological and bacteriological methods.

(2) A grant not exceeding £2,185 over a period of two years, for research in the Department of Botany on the kinetics of photosynthesis in algae.

(3) A further grant of not more than £3,300 for the continuation until 30 June 1955 of research in the Department of Physics on design study of a proton linear accelerator.

(4) A grant not exceeding £3,905 for one year from 1 October 1954, for an investigation in the Department of Physics on measurement methods for ionized gases.

### National Science Foundation

A grant of $2,900 for research in the Department of Chemistry on 'Kinetics of Enzyme Reactions'.

### Nuffield Foundation

(1) A grant of £6,000 for a period of three years, to enable a person trained in the biological use of the electron microscope to work on electron microscopy of the central nervous system, in the Department of Anatomy with the Association of the Departments of Biophysics and Physiology.

(2) A grant of £10,000 over a period of five years, for fundamental research in the Department of Botany on the physiology and biochemistry of algae.

### Rockefeller Foundation

(1) A grant of up to £900 for the purchase of a refrigerated centrifuge and of radioactive isotope tracers for research in the Department of Botany in plant physiology.

(2) A grant of £3,300 over a period of two years, for research in the Department of Anthropology in human genetics.

### The Shell Group of Oil Companies

An additional grant of £300 as from the session 1954–55 to increase to £3,000 the sum which is allocated annually to the College for scholarships in the Department of Chemical Engineering.

### The Shell Petroleum Company Limited

(1) A grant of £50 for field research in the Department of Geology into the micro-faunal distribution within the cretaceous.

(2) A further grant of £60 for the session 1955–56 for geological field work.

MR SPYROS P. SKOURAS

A gift of £200 to make possible visits to Greece by members of the staff of the Department of Greek.

THE LATE JOHN STANBURY

A gift of £1,500 to found a scholarship in the study of stage design in the Slade School of Fine Art.

UNITED STATES NATIONAL INSTITUTES OF HEALTH

(1) A grant of $500 for one year from 1 December 1954, to cover the expenses of research in the Department of Zoology in connection with wound healing and tissue transplantation.

(2) A grant of $500 for one year from 20 January 1955, for research in the Department of Physiology on correlation of the characteristics of whole muscle with the properties of myosin.

## GIFTS TO THE LIBRARY

2,081 volumes and 710 pamphlets were received by gift or bequest. These included two manuscript volumes of narrative notes compiled by the late Professor Sir Ambrose Fleming detailing the events which led up to his first successful transmission of wireless signals, presented by Lady Fleming, and the entire collection of over 5,000 offprints and pamphlets formed by the late Professor J. P. Hill, and presented by his daughter, Mrs C. Jones, in accordance with her father's expressed wish.

## APPENDIX XIII

# COLLEGE ACCOUNTS 1954–55

The Accounts for the year 1954–55, which follow on pages 74–81, comprise the Balance Sheet, the Income and Expenditure Account, and the subsidiary account for Rehabilitation and Development.

## BALANCE SHEET

Features of special interest were:

### LIABILITIES

The Capital Account was increased by £44,036 through the redemption of the mortgage on the Seamen's Hospital, 25 Gordon Street. The balance of £14,991 due to the mortgagee was repaid by the University on behalf of the College, and the sum of £29,045 accumulated in the redemption fund was transferred to the Capital Account.

Sundry Funds show an increase of £21,056 over the corresponding figure for the previous year, consisting mainly of the proceeds, up to 31 July 1955, of an appeal to industry for enlarging the accommodation for the Engineering Departments.

Current Liabilities include a £50,000 loan, free of interest, from the Court of the University on account of the block grant, towards current cash requirements.

### ASSETS

The balance of the Rehabilitation and Development Account, referred to in greater detail on page 72, shows an increase of £46,429 over the corresponding figure at 31 July 1954, owing mainly to the progress made on the erection of the Biological Sciences Block (Stage I), on the conversion of premises at Flaxman Terrace, and on the preparation of plans for College development. This account shows also the completion of the Chemistry Light Storey.

Investments show an increase of £7,221 in book value, representing the investment of a part of the proceeds of the Engineering Appeal, the balance of which is held on deposit and shown under Current Assets.

### TRUST FUNDS

The College holds endowments in the form of 169 separate Trust Funds with a total value of over £1,000,000. They yield a gross income of some £46,000.

## INCOME AND EXPENDITURE

The Income and Expenditure Account shows a deficit of £9,390, as compared with a surplus of £7,249 for the previous year, owing mainly to the rising costs of goods and services and to increases in salaries and wages resulting from national awards and other unavoidable circumstances.

Total expenditure was £136,594 more than in 1953–54, some £64,000 of this being due to the revision of academic salaries, for which a special grant was made by the University Grants Committee.

Income exceeded that of the previous year by £119,987, the main features of which were the normal increase of Court Grant, £45,000, and £64,052 for salary increases.

The percentages of the expenditure and income under the main classifications in the years 1952–53 to 1954–55 are shown in the following table:

| EXPENDITURE | 1952–3 % | 1953–4 % | 1954–5 % |
|---|---|---|---|
| Salaries and Pensions of Teaching Staff | 49·7 | 48·5 | 48·5 |
| Departmental Expenses, incl. Library .. | 24·2 | 25·8 | 25·5 |
| Maintenance of Premises .. | 12·8 | 13·2 | 12·7 |
| Administration .. | 7·8 | 7·2 | 7·2 |
| Other .. .. | 5·5 | 5·3 | 6·1 |
| | 100·0 | 100·0 | 100·0 |

| INCOME | 1952–3 % | 1953–4 % | 1954–5 % |
|---|---|---|---|
| Endowments .. | 4·4 | 4·2 | 4·0 |
| Donations .. | 0·4 | 0·3 | 0·5 |
| Grants .. .. | 81·3 | 82·2 | 83·3 |
| Fees .. .. | 12·6 | 11·8 | 10·9 |
| Other .. .. | 1·3 | 1·5 | 1·3 |
| | 100·0 | 100·0 | 100·0 |

A summary of the income and expenditure of the College comparing the results in the years 1938–39, 1953–54, and 1954–55 is as follows:

| EXPENDITURE | Thousands of £ 1938–9 | 1953–4 | 1954–5 | INCOME | Thousands of £ 1938–9 | 1953–4 | 1954–5 |
|---|---|---|---|---|---|---|---|
| Administration .. | 18 | 71 | 80 | Endowments .. | 43 | 41 | 45 |
| Departmental Maintenance .. | 171 | 732 | 842 | Grants .. .. | 103 | 817 | 928 |
| Maintenance of Premises .. | 36 | 131 | 143 | Fees .. .. | 83 | 117 | 121 |
| Other .. .. | 23 | 53 | 58 | Other .. .. | 23 | 19 | 20 |
| | 248 | 987 | 1,123 | | 252 | 994 | 1,114 |

## REHABILITATION AND DEVELOPMENT ACCOUNT

This account records the course of operations upon the rebuilding of the College after damage suffered during the war, and upon the provision of temporary accommodation, of certain new buildings, and their equipment. The account shows in separate sections works completed in the fourteen years up to 31 July 1955 and works in progress.

The various projects are financed mainly by special Capital Grants from the University Grants Committee and by War Damage compensation, but the balance has to be found from College sources. Up to date, 73 per cent has been found from Capital Grants, 22 per cent from War Damage compensation, and 5 per cent from College funds and other sources.

In this account the payments of £2,186,858 for the fourteen years up to 31 July 1955 exceeded the receipts of £2,028,448 by £158,410 which related to expenditure upon:

| | £ |
|---|---|
| Completed Projects, balance to be financed .. .. .. .. | 2,731 |
| Projects for which Capital Grants and War Damage compensation claims have been approved and not received, as at the date of account .. .. .. .. .. .. .. .. .. | 54,594 |
| Apparatus for which Capital Grants have been approved and not received as at the date of account .. .. .. .. .. | 2,585 |
| Projects in anticipation of Capital Grants .. .. .. .. | 12,727 |
| Preparation of Plans for College Development .. .. .. | 36,655 |
| ,, ,, ,, ,, Biological Sciences Block .. .. .. | 17,237 |
| Chemistry Light Storey—cost to be met from Ramsay Memorial Appeal .. .. .. .. .. .. .. .. .. | 24,539 |
| Projects to be financed from College and other funds .. .. | 7,342 |
| | £158,410 |

## CAPITAL GRANTS

Capital Grants for the year 1954–55 were as follows:

| ACQUISITION OF LAND AND PROPERTY | £ |
|---|---|
| Purchase of warehouse in Flaxman Terrace—professional and legal charges .. .. .. .. .. .. .. .. .. | 498 |
| **NEW CONSTRUCTION AND EQUIPMENT** | |
| Erection of Biological Sciences Block (Stage I)—increase in prices and professional fees .. .. .. .. .. .. .. | 6,570 |
| Alterations in South Wing .. .. .. .. .. .. | 1,950 |
| Reorganisation of water supplies .. .. .. .. .. | 5,698 |
| Provision of additional lavatory accommodation in Foster Court .. | 992 |
| Conversion of Foster Court Reading Room into Botany laboratory, including equipment .. .. .. .. .. .. .. | 5,572 |
| Alterations to drainage in Chemistry Department .. .. .. | 538 |
| Repair and conversion of 17–18 Gordon Square—increase in costs | 153 |
| Conversion of warehouse in Flaxman Terrace .. .. .. | 34,322 |
| | (55,795) |
| | £56,293 |

## SCHOLARSHIPS AND PRIZES

Expenditure upon these awards amounted to £10,474 15*s.* 1*d.* in 1954–55. Awards were made as under:

| | *Undergraduate* | | | *Postgraduate* | | |
|---|---|---|---|---|---|---|
| | £ | *s.* | *d.* | £ | *s.* | *d.* |
| From Endowments .. .. .. .. .. | 2,379 | 16 | 1 | 1,058 | 2 | 6 |
| ,, Donations and Subscriptions .. .. | 58 | 9 | 0 | 3,844 | 16 | 11 |
| ,, General Income .. .. .. .. | 1,002 | 9 | 1 | 1,453 | 11 | 6 |
| ,, General Income: Exhibition Bursaries and special fee remissions .. .. .. | 677 | 10 | 0 | — | | |
| | £4,118 | 4 | 2 | £6,356 | 10 | 11 |

## LIABILITIES, CAPITAL ACCOUNT, RESERVES AND OTHER FUNDS

| 1953–54 £ | | £ | £ | 1954–55 £ |
|---|---|---|---|---|
| | College General Capital Account .. .. .. | | 1,024,689 | |
| | *Add* Capital Grant: | | | |
| | Malet Place, East Side, and 33–35 Torrington Place | | 62 | |
| | *Add* Seamen's Hospital Mortgage repaid: | £ | | |
| | From Redemption Fund .. .. .. | 29,045 | | |
| | By Capital Grant .. .. .. .. | 14,991 | | |
| | | | 44,036 | |
| 1,024,689 | | | 1,068,787 | |
| 9,084 | *Less* Bentham Hall Amortization .. .. .. | 12,165 | | |
| — | 11 Chester Terrace Amortization .. .. | 222 | | |
| | | | 12,387 | |
| 1,015,605 | | | | 1,056,400 |
| 49,169 | Redemption Funds .. .. .. .. .. .. | | | 28,273 |
| | Income and Expenditure Account | | | |
| | Balance at 1 August 1954 | | | |
| | Social Science Account .. .. .. .. | 1,333 | | |
| | General .. .. .. .. .. .. | 11,896 | | |
| | | | 13,229 | |
| | *Less* Balance for the year ended 31 July 1955 .. .. | | 9,359 | |
| 13,229 | | | | 3,870 |
| | Balance at 31 July 1955 | £ | | |
| | Social Science Account .. .. .. .. | 1,333 | | |
| | General .. .. .. .. .. .. | 2,537 | | |
| | | £3,870 | | |
| 226,505 | Sundry Funds .. .. .. .. .. .. .. | | | 247,561 |
| 1,304,508 | | | | 1,336,104 |
| 214,348 | Loans .. .. .. .. .. .. .. .. | | | 191,373 |
| 68,677 | Current Liabilities .. .. .. .. .. .. | | | 114,290 |
| 1,587,533 | | | | 1,641,767 |
| 1,078,072 | Trust Funds: Liabilities and Capital .. .. .. | | | 1,059,516 |
| £2,665,605 | | | | £2,701,283 |

We have examined the above Balance Sheet as at 31 July 1955 and opinion and to the best of our information and according to the drawn up and in accordance with the books of the College.

3 Frederick's Place, Old Jewry, London E.C.2
25 November 1955

## ASSETS AND REHABILITATION AND DEVELOPMENT EXPENDITURE

| 1953–54 £ | | £ | £ | 1954–55 £ |
|---|---|---|---|---|
| *1,245,647* | COLLEGE FREEHOLD LANDS, BUILDINGS, FURNITURE, AND LIBRARY | | | 1,247,254 |
| | COLLEGE LEASEHOLD PROPERTY | £ | | |
| *14,754* | 37 and 38 Nevern Square .. .. .. .. | 14,754 | | |
| *214* | *Less* Leasehold Depreciation.. .. .. .. | 292 | | |
| *(14,540)* | | | 14,462 | |
| *27,572* | Bentham Hall (31–44 Cartwright Gardens).. .. | 27,572 | | |
| *9,084* | *Less* Amortization .. .. .. .. .. | 12,165 | | |
| *(18,488)* | | | 15,407 | |
| *1,447* | 11 Chester Terrace (Lease expiring 5 July 1966) .. | 1,447 | | |
| — | *Less* Amortization .. .. .. .. .. | 223 | | |
| *(1,447)* | | | 1,224 | |
| *[34,475]* | | | | 31,093 |
| *1,280,122* | | | | *1,278,347 |
| | REHABILITATION AND DEVELOPMENT ACCOUNT | | | |
| *111,971* | Payments, less receipts to date, on account of capital works in progress, deferred expenditure and expenditure on reconstruction of properties damaged by enemy action | | | *158,410 |
| | **The value at which these assets appear in the Balance Sheet will be subject to adjustment on settlement of War Damage Claims for properties destroyed and damaged.* | | | |
| | INVESTMENTS | | | |
| *105,165* | General College and Redemption Funds .. .. .. | | 112,387 | |
| *7,000* | *Less* Depreciation .. .. .. .. .. .. | | 16,000 | |
| *(98,165)* | [*Market Value at 31 July 1955, £96,186*] | | | 96,387 |
| *97,275* | CURRENT ASSETS .. .. .. .. .. .. .. | | | 108,623 |
| *1,587,533* | | | | 1,641,767 |
| *1,078,072* | TRUST FUNDS: Assets .. .. .. .. .. .. | | | 1,059,516 |
| *£2,665,605* | | | | £2,701,283 |

relative Income and Expenditure Accounts. We report that, in our explanations given to us, the aforementioned accounts are properly

[Signed] PRICE WATERHOUSE & CO.
*Chartered Accountants*

## EXPENDITURE

| 1953–54 £ | | | 1954–55 £ | £ |
|---|---|---|---|---|
| | ADMINISTRATION | | | |
| 46,927 | Salaries | | 53,951 | |
| 2,623 | Payments for Superannuation | | 3,544 | |
| 18,170 | Advertising, Printing, Stationery, Postage, and Telephone | | 20,147 | |
| 3,207 | Other Expenses (including Audit and Legal Fees) | | 2,525 | |
| (70,927) | | | | 80,167 |
| | DEPARTMENTAL MAINTENANCE | | | |
| 440,144 | Salaries of Teaching Staff | | 511,804 | |
| 38,847 | Payments for Superannuation | | 43,448 | |
| 122,928 | Departmental Wages (including Superannuation) | | 136,880 | |
| 93,111 | Departmental and Laboratory Maintenance | | 106,170 | |
| 37,402 | Libraries | | 43,568 | |
| (732,432) | | | | 841,870 |
| | MAINTENANCE OF PREMISES | | | |
| 21,457 | Rates and Insurance | | 22,926 | |
| 39,527 | Heat, Light, Water, and Power | | 37,671 | |
| 49,941 | Ordinary Repairs and General Maintenance of Buildings | | 61,939 | |
| 19,608 | Wages of Porters and Attendants (including Superannuation) | | 20,337 | |
| (130,533) | | | | 142,873 |
| | MISCELLANEOUS EXPENDITURE | | | |
| 5,008 | Pensions for Retired Members of Staff | | 5,442 | |
| — | Grants from Benevolent Fund | | 230 | |
| 120 | Examiners Fees | | 78 | |
| 2,319 | Interest on Overdrafts, Mortgages, etc. | | 2,240 | |
| 9,276 | Scholarships and Prizes | | 10,475 | |
| 10,368 | Grants to Students' Societies | | 12,019 | |
| | Deficits on Income and Expenditure Accounts for Halls of of Residence, Refectories, etc.: | | | |
| 390 | Staff Accommodation | | 327 | |
| | Refectory: | £ | | |
| 650 | Subvention | 650 | | |
| 1,553 | Loss written off | 2,208 | | |
| | | | 2,858 | |
| | OTHER EXPENDITURE | | | |
| 1,543 | Salaries of Wardens of Halls of Residence | 1,197 | | |
| 25 | Payments for Superannuation | 26 | | |
| | | | 1,223 | |
| | Rent and Other Payments for Use of Buildings: | | | |
| 2,954 | Halls of Residence | 3,172 | | |
| 2,409 | Other Buildings | 2,633 | | |
| | | | 5,805 | |
| 10,274 | Other Items | | 10,958 | |
| (46,889) | | | | 51,655 |
| 3,734 | CAPITAL EXPENDITURE MET FROM INCOME | | | 4,544 |
| | ALLOCATIONS TO RESERVES | | | |
| 1,200 | Electric Wiring Replacement | | 1,200 | |
| — | Seamen's Hospital Maintenance | | 1,250 | |
| 1,250 | *Seamen's Hospital Mortgage Redemption* | | — | |
| (2,450) | | | | 2,450 |
| 986,965 | | | | |
| 7,249 | BALANCE OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR | | | — |
| £994,214 | | | | £1,123,559 |

| 1953–54 £ | INCOME | 1954–55 £ | £ |
|---|---|---|---|
| | ENDOWMENTS | | |
| 40,891 | Income appropriated to meet expenditure for particular purposes specified by Trust .. .. .. .. .. | 44,382 | |
| 640 | Income appropriated to meet expenditure on general purposes (Bawden Fund) .. .. .. .. .. .. | 640 | |
| (41,531) | | | 45,022 |
| | DONATIONS AND SUBSCRIPTIONS: Appropriated for: | | |
| 892 | Special Purposes .. .. .. .. .. .. .. | 1,439 | |
| 2,696 | Scholarships and Bursaries .. .. .. .. .. | 3,903 | |
| (3,588) | | | 5,342 |
| | GRANTS | | |
| | From University Court .. .. .. .. .. .. | 863,000 | |
| | Earmarked Grant for Academic Salary Increases .. .. | 64,051 | |
| | Scheme for the Alleviation of Superannuation Hardship .. | 1,237 | |
| 817,000 | | | 928,288 |
| | FEES | | |
| 115,661 | General .. .. .. .. .. .. .. .. | 119,667 | |
| 724 | Examination and Registration Fees .. .. .. .. | 970 | |
| 564 | Exhibition Bursaries and Special Fee Remissions .. .. | 678 | |
| (116,949) | | | 121,315 |
| 1,250 | CONTRIBUTIONS FOR SERVICES RENDERED .. .. .. | | 2,248 |
| | SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR HALLS OF RESIDENCE, REFECTORIES, ETC. | | |
| 4,306 | College Properties .. .. .. .. .. .. | | 2,595 |
| 9,590 | OTHER ITEMS .. .. .. .. .. .. .. | | 9,390 |
| | | | 1,114,200 |
| — | BALANCE OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR | | 9,359 |
| £994,214 | | | £1,123,559 |

PAYMENTS

| Item | Projects | 1941–54 | 1954–55 | Total |
|---|---|---|---|---|
| | | £ | £ | £ |
| | COMPLETED PROJECTS as at 1 August 1954 .. .. | 390,876 | — | 390,876 |
| | PROJECTS COMPLETED DURING THE YEAR | | | |
| 1 | Physics Department Reinstatement .. .. .. | 2,694 | — | 2,694 |
| 2 | Alterations and Equipment for 94–98 Gower Street and Malet Place, East Side .. .. .. .. .. | 7,028 | — | 7,028 |
| 3 | Alterations in Biochemistry .. .. .. .. | 1,396 | — | 1,396 |
| 4 | 114–116 Gower Street Adaptation .. .. .. | 2,240 | — | 2,240 |
| 5 | Bentham Hall—Alterations .. .. .. .. | 30,228 | — | 30,228 |
| 6 | ,, ,, —Furnishings .. .. .. .. | 11,646 | — | 11,646 |
| 7 | Long Vacation Moves 1951–52 .. .. .. .. | 1,738 | — | 1,738 |
| 8 | Electricity Sub-Station, 88A Gower Street .. .. | 1,954 | 3 | 1,957 |
| 9 | General Library Heating .. .. .. .. .. | 1,236 | — | 1,236 |
| 10 | Fitzroy Street Properties .. .. .. .. .. | — | 525 (Cr) | 525 (Cr) |
| 11 | Botany—New Laboratory .. .. .. .. | — | 175 | 175 |
| 12 | Miscellaneous Minor Works .. .. .. .. | — | — | — |
| 13 | Rectifier for Night Supply of Direct Current .. .. | — | — | — |
| | Total Completed Works .. .. .. .. | 451,036 | 346(Cr) | 450,690 |
| | WORKS IN PROGRESS | | | |
| 14 | Preparation of Plans for Reconstruction of College .. | 35,959 | 21,010 | 56,969 |
| 15 | Reconstruction of Main Building .. .. .. | 504,934 | 32,028 | 536,962 |
| 16 | Refectory Equipment .. .. .. .. .. | 20,051 | 193 | 20,244 |
| 17 | Reorganisation of College Electricity System .. .. | 159,289 | — | 159,289 |
| 18 | New Boilers for Chemistry .. .. .. .. | 10,032 | — | 10,032 |
| 19 | Chemistry Light Storey .. .. .. .. .. | 44,237 | 22,640 | 66,877 |
| 20 | Electronic Workshop .. .. .. .. .. | 4,483 | 115 | 4,598 |
| 21 | Botany Greenhouse .. .. .. .. .. | 447 | — | 447 |
| 22 | Arrears of Maintenance .. .. .. .. .. | 57,018 | 6,928 | 63,946 |
| 23 | War Damage Repairs .. .. .. .. .. | 43,991 | — | 43,991 |
| 24 | Furniture for new Library .. .. .. .. | 24,793 | — | 24,793 |
| 25 | Telephone Switchboard .. .. .. .. .. | 6,791 | 478 | 7,269 |
| 26 | Hostels Development Scheme .. .. .. .. | 20 | — | 20 |
| 27 | New Physics Building .. .. .. .. .. | 217,273 | 27,445 | 244,718 |
| 28 | Squash Court Site .. .. .. .. .. .. | 198 | 4,647 | 4,845 |
| 29 | Temporary Accommodation .. .. .. .. | 8,242 | — | 8,242 |
| 30 | Preparation of Plans for College Development .. .. | 27,655 | 9,000 | 36,655 |
| 31 | Equipment for Main Building .. .. .. .. | 55,739 | 7,432 | 63,171 |
| 32 | Chemistry Department Benches and Shelving .. .. | 1,981 | 219 | 2,200 |
| 33 | Gower Street Front .. .. .. .. .. | 6,518 | — | 6,518 |
| 34 | Departmental Apparatus and Equipment .. .. | 82,220 | 677 | 82,897 |
| 35 | Miscellaneous Works in Progress .. .. .. .. | 38 | 106 | 144 |
| 36 | Animal House—Stage II .. .. .. .. .. | 569 | 150 | 719 |
| 37 | Biological Sciences Block .. .. .. .. | 87,039 | 53,299 | 140,338 |
| 38 | New Engineering Building .. .. .. .. | 5 | 12 | 17 |
| 39 | Zoology Research Rooms and Animal House .. .. | 4,542 | 156 | 4,698 |
| | *Carried forward* .. .. .. .. .. | 1,855,100 | 186,190 | 2,041,290 |

RECEIPTS

| Item | War Damage | College Funds | Miscellaneous Sources | Capital Grants | Total | Balance |
|---|---|---|---|---|---|---|
| | £ | £ | £ | £ | £ | £ |
| | 38,939 | 24,765 | 10,042 | 315,383 | 389,129 | 1,747 |
| 1 | — | — | — | 2,609 | 2,609 | 85 |
| 2 | — | — | — | 7,001 | 7,001 | 27 |
| 3 | — | — | — | 1,321 | 1,321 | 75 |
| 4 | — | — | — | 2,416 | 2,416 | 176 (Cr) |
| 5 | — | — | — | 30,227 | 30,227 | 1 |
| 6 | — | — | 646 | 11,000 | 11,646 | — |
| 7 | — | — | — | 1,420 | 1,420 | 318 |
| 8 | 64 | — | — | 1,914 | 1,978 | 21 (Cr) |
| 9 | — | — | — | 1,203 | 1,203 | 33 |
| 10 | — | — | 525 (Dr) | — | 525 (Dr) | — |
| 11 | — | — | — | — | — | 176 |
| 12 | — | — | — | 484 (Dr) | 484 (Dr) | 484 |
| 13 | — | — | — | 17 | 17 | 17 (Cr) |
| | 39,003 | 24,765 | 10,164 | 374,027 | 447,959 | 2,731 |
| 14 | — | — | — | 51,935 | 51,935 | 5,034 |
| 15 | 367,059 | — | — | 161,322 | 528,381 | 8,581 |
| 16 | — | 3,405 | — | 16,900 | 20,305 | 61 (Cr) |
| 17 | — | — | — | 156,989 | 156,989 | 2,300 |
| 18 | — | 1,000 | — | 8,778 | 9,778 | 254 |
| 19 | — | — | 42,338 | — | 42,338 | 24,539 |
| 20 | — | — | — | 4,428 | 4,428 | 170 |
| 21 | — | — | — | — | — | 447 |
| 22 | — | 3,602 | 1,378 | 55,798 | 60,778 | 3,168 |
| 23 | 44,111 | — | — | — | 44,111 | 120 (Cr) |
| 24 | — | — | — | 23,000 | 23,000 | 1,793 |
| 25 | — | — | — | 7,200 | 7,200 | 69 |
| 26 | — | — | — | — | — | 20 |
| 27 | — | — | — | 228,476 | 228,476 | 16,242 |
| 28 | — | — | — | — | — | 4,845 |
| 29 | — | — | — | 7,231 | 7,231 | 1,011 |
| 30 | — | — | — | — | — | 36,655 |
| 31 | 1,882 | — | — | 62,052 | 63,934 | 763 (Cr) |
| 32 | — | — | — | 2,200 | 2,200 | — |
| 33 | — | — | — | — | — | 6,518 |
| 34 | — | 2,460 | — | 77,853 | 80,313 | 2,585 |
| 35 | — | — | — | — | — | 144 |
| 36 | — | — | — | — | — | 719 |
| 37 | — | — | — | 116,873 | 116,873 | 23,465 |
| 38 | — | — | — | — | — | 17 |
| 39 | — | — | — | 4,503 | 4,503 | 195 |
| | 452,056 | 35,232 | 53,880 | 1,359,565 | 1,900,733 | 140,557 |

PAYMENTS (continued)

| *Item* | *Projects* | 1941–54 | 1954–55 | *Total* |
|---|---|---|---|---|
| | | £ | £ | £ |
| | *Brought forward* .. .. .. .. .. | 1,855,100 | 186,190 | 2,041,290 |
| 40 | Carpets, Floor Coverings and Repairs .. .. .. | 10,496 | 1,390 | 11,886 |
| 41 | Equipment and Furniture for Foster Court .. .. | 7,360 | 1,640 | 9,000 |
| 42 | Observatory—Foundations, Equipment and Library Building .. .. .. .. .. .. .. | 8,289 | 405 | 8,694 |
| 43 | Sundry Works—Departments of Physiology, Biochemistry, Pharmacology and Biophysics .. .. | 2,901 | 454 | 3,355 |
| 44 | Campbell Hall—Alterations .. .. .. .. | 33,831 | 8,479 | 42,311 |
| 45 | ,, ,, —Furnishings .. .. .. .. | 12,940 | 607 | 13,547 |
| 46 | Chemistry Department Alterations .. .. .. | 877 | 411 | 1,289 |
| 47 | 17–18 Gordon Square .. .. .. .. .. | 9,020 | 1,153 | 10,174 |
| 48 | 44 Cartwright Gardens—Conversion .. .. .. | 3,603 | 4,838 | 8,441 |
| 49 | Seamen's Hospital—Professional Fees .. .. .. | — | 53 | 53 |
| 50 | Electronic Computer for Physics .. .. .. .. | — | 2,910 | 2,910 |
| 51 | Conversions—South Wing .. .. .. .. | 759 | 5,609 | 6,368 |
| 52 | Refectory Improvements .. .. .. .. .. | — | 225 | 225 |
| 53 | Alterations and Furnishings for Civil and Municipal Engineering, Electrical Engineering, and Geography | 14 | 1,062 | 1,076 |
| 54 | Lavatory Accommodation—Foster Court .. .. | — | 995 | 995 |
| 55 | Chemistry Drains .. .. .. .. .. .. | — | 368 | 368 |
| 56 | Conversion of East Reading Room, Foster Court into Botany Laboratory .. .. .. .. .. | — | 2,226 | 2,226 |
| 57 | Flaxman Terrace—Conversion .. .. .. .. | — | 8,074 | 8,074 |
| 58 | College Water Supplies .. .. .. .. .. | — | 6,195 | 6,195 |
| 59 | 11 Chester Terrace—Alterations, Redecorations, and Furnishings .. .. .. .. .. .. | 6,250 | 357 | 6,607 |
| 60 | Great Hall Site .. .. .. .. .. .. | 413 | — | 413 |
| 61 | Furniture for new Botany Laboratory .. .. .. | — | 511 | 511 |
| 62 | 23 Gordon Square—Compensation for Acquisition of Accommodation .. .. .. .. .. | — | 850 | 850 |
| | | £1,951,855 | £235,003 | £2,186,858 |

*Receipts up to 31 July 1954*

RECEIPTS (continued)

| Item | War Damage | College Funds | Miscellaneous Sources | Capital Grants | Total | Balance |
|---|---|---|---|---|---|---|
| | £ | £ | £ | £ | £ | £ |
| | 452,056 | 35,232 | 53,880 | 1,359,565 | 1,900,733 | 140,557 |
| 40 | — | — | — | 12,000 | 12,000 | 114 (Cr) |
| 41 | — | — | — | 9,000 | 9,000 | — |
| 42 | — | — | — | 8,611 | 8,611 | 83 |
| 43 | — | — | — | 3,208 | 3,208 | 147 |
| 44 | — | — | — | 39,635 | 39,635 | 2,676 |
| 45 | — | — | — | 13,500 | 13,500 | 47 |
| 46 | — | — | — | 874 | 874 | 415 |
| 47 | — | — | — | 9,949 | 9,949 | 225 |
| 48 | — | — | 96 | 8,323 | 8,419 | 22 |
| 49 | — | — | — | — | — | 53 |
| 50 | — | — | — | 1,826 | 1,826 | 1,084 |
| 51 | — | — | — | 6,274 | 6,274 | 94 |
| 52 | — | — | — | — | — | 225 |
| 53 | 1,076 | — | — | — | 1,076 | — |
| 54 | — | — | — | 839 | 839 | 156 |
| 55 | — | — | — | 368 | 368 | — |
| 56 | — | — | — | 838 | 838 | 1,388 |
| 57 | — | — | — | — | — | 8,073 |
| 58 | — | — | — | 4,048 | 4,048 | 2,147 |
| 59 | — | — | — | 6,400 | 6,400 | 207 |
| 60 | — | — | — | — | — | 413 |
| 61 | — | — | — | — | — | 511 |
| 62 | — | — | — | 850 | 850 | — |
| | £453,132 | £35,232 | £53,976 | £1,486,108 | £2,028,448 | £158,410 |
| | *£442,309* | *£35,232* | *£46,319* | *£1,316,023* | *£1,839,884* | *£111,971* |

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